

## 2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

### Round 1

#### BEGIN ONE-ON-ONE

1. Cat. 900 Q. Aluminum shoes are most commonly used in what equine sport?  
A. Race horses  
S. Evans, p. 732
  
2. Cat. 400 Q. What is the proper name for a horse's front teeth?  
A. Incisors  
S. AYHCLM, p. I 205-1L
  
3. Cat. 900 Q. What type of shavings range in color from coffee-brown to purplish-black?  
A. Black Walnut  
S. FCH, p. 322
  
4. Cat. 100 Q. On what continent did Equus originate?  
A. North America  
S. Evans, p. 4

**ROUND 1**

**PAGE 2**

5. Cat. 800 Q. Which part of the horse's body do stable flies prefer to feed on?  
A. On the horse's legs, with the largest number on the lower legs and flanks.  
S. AYHCLM, p. A 300-1L & Evans, p. 642
6. Cat. 1000 Q. What is the general purpose of a safety stirrup?  
A. It allows for easier release of the foot should the rider fall off.  
S. HH, p. 1100-2
7. Cat. 500 Q. What is the term for the "specialized building" where mares are bred?  
A. Breeding Shed  
S. Evans, p. 781
8. Cat. 900 Q. What is the term used for a kick that is forward and sideward?  
A. Cow-kick  
S. Evans, p. 182

**ROUND 1**  
**PAGE 3**

9. Cat. 700 Q In reference to feed processing, what is the term for grain that passes through rollers with corrugated surfaces?
- A Crimped
- S AYHCLM, p. I 202-2L
10. Cat. 600 Q What is the term for an excessively thick crest that lops to the side?
- A Broken crest, Lop neck
- S Evans, p. 145
11. Cat. 700 Q Name five of the main nutrients needed by the horse.
- A Minerals, Vitamins, Energy (carbohydrates; lipids/fat), Protein, Water
- S AYHCLM, p. B 109-2L
12. Cat. 1000 Q What is the English version of a tie-down?
- A Standing Martingale
- S AYHCLM, p. B 108-3L

**END ONE-ON-ONE**

**ROUND 1**  
**PAGE 4**

**BEGIN OPEN QUESTIONS**

13. Cat. 600 Q. Describe a horse with lop-ears.
- A. The horse's ears are positioned on the side of the head pointing outward.
- S. HH, p. 220-3
14. Cat. 400 Q. What separates the sole from the hoof wall?
- A. The white line
- S. Evans, p. 684

**TOSS-UP QUESTION – BONUS ATTACHED**

15. Cat. 900 Q. Name two places where a gate should not be placed in a paddock.
- A. Corner of a fence-line                      Area of unsuitable terrain/footing  
Low or Wet Areas
- S. Evans, p. 770

**BONUS QUESTION**

16. B-400 Q. Name six parts of the foot.
- A. Apex of the Frog                      Periople  
Bar    Point of the Frog  
Bulb    Quarter  
Buttress                                      Seat of the Corn  
Cleft of the Frog                          Sole  
Commissure/Collateral Groove          Toe  
Coronet                                      Wall  
Frog    White Line  
Heel
- S. HH, p. 535-2 & CAHA, p. 24

**ROUND 1**  
**PAGE 5**

**RESUME OPEN QUESTIONS**

17. Cat. 800 Q. What is the most common and mildest type of colic in horses?  
A. Spasmodic Colic or Flatulent (gas) Colic  
S. AYHCLM, p. I 228-1L
18. Cat. 600 Q. Starting at the base of the neck, name the (4) parts of the horse's topline.  
A. Withers, Back, Loin/Coupling, Croup  
S. AYHCLM, p. I 223-2L
19. Cat. 200 Q. Cosmetically speaking, how does the Suffolk differ from the other two British breeds of draft horse?  
A. The Suffolk has no feathers on its legs  
S. Evans, p. 73

**TOSS-UP QUESTION – BONUS ATTACHED**

20. Cat. 400 Q. Spasmodic muscle contractions during cold weather is referred to as what?  
A. Shivering  
S. Evans, p. 104

**ROUND 1**  
**PAGE 6**

**BONUS QUESTION**

21. B-100 Q Explain the difference between harness racing and flat racing, and name two breeds that would participate in each sanctioned racing meet for their respective type.
- A Harness racing = Standardbred, Trottingbred Pony, Russian Trotter, Orlov Trotter  
Flat Racing = Thoroughbred, Quarter Horse, Appaloosa, Paint, Arabian
- S Evans, p. 72

**RESUME OPEN QUESTIONS**

22. Cat. 500 Q When a mare ovulates, but fails to show behavioral signs of estrus, this is referred to as what?
- A Silent Heat
- S Evans, p. 327 & FCH, p. 235
23. Cat. 800 Q Athlete's foot is comparable to what condition in the horse?
- A Thrush
- S HHH, p. 540-1
24. Cat. 300 Q Describe a piebald pinto pony.
- A The coat color is black with white patches.
- S Evans, p. 46

**ROUND 1**  
**PAGE 7**

25. Cat. 200 Q What is the term for an animal of unknown breeding or ancestry?
- A Grade
- S HH, p. 110-5

**TOSS-UP QUESTION – BONUS ATTACHED**

26. Cat. 700 Q Give two reasons why it is safe to feed oats to horses.
- A High in Fiber Low in Digestible Energy  
Low in Density Less Likely to have Molds & Mycotoxins  
Less likely to cause Founder or GI problems
- S FCH, p. 73

**BONUS QUESTION**

27. B-900 Q List four considerations when choosing a vehicle to pull a horse trailer.
- A Braking System Electrical System  
Engine Size Size of Vehicle  
Towing Capacity Type of Hitch or Ball Size  
Cooling System Cost  
Type, Length & Weight of Trailer to Be Pulled  
Weight Capacity of Vehicle (i.e. ½ ton, ¾ ton, 1 ton, etc.)
- S AYHCLM, p. A 301-1L

**RESUME OPEN QUESTIONS**

28. Cat. 100 Q What ability of the horse ha the greatest significance in building civilization?
- A The ability of the horse to serve as a draft animal for work and transportation (carrying and pulling loads)
- S Evans, p. 6

**ROUND 1**  
**PAGE 8**

29. Cat. 900 Q The placement of several large, round rocks in a horse's feed tub helps to decrease in incidence of what vice?
- A Bolting
- S Evans, p. 183 & FCH, p. 94
- 
30. Cat. 600 Q What is the term for the structure that protects the vital organs?
- A Skeleton
- S AYHCLM, p. A 323-3L & CAHA, p. 6
- 
31. Cat. 100 Q What is the term for animals that live from eating, or prefer to eat plant materials?
- A Herbivores
- S FCH, p. 392

**LAST QUESTION IN MATCH**

32. Cat. 800 Q "Bucked shins" affect which bone of the horse?
- A Cannon bones
- S FCH, p. 271

END ROUND ONE



## 2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

### Round 2

#### BEGIN ONE-ON-ONE

1.     Cat. 400     Q.     At what age does the Galvaynes Groove appear?

                      A.     At 10 years of age

                      S.     AYHCLM, p. 105-2L
  
2.     Cat. 300     Q.     Which leg marking is white from the coronet to the middle of the cannon?

                      A.     Sock or Half-stockings

                      S.     Evans, p. 83
  
3.     Cat. 900     Q.     What behavior is often displayed when two strange horse stand nose-to-nose?

                      A.     Striking & verbal sounds such as grunt, squeal or roar

                      S.     Evans, p. 182
  
4.     Cat. 700     Q.     Name two characteristics of moldy hay.

                      A.     musty smell, whitish in color, dusty, unpalatable, moist/damp, hot

                      S.     FCH, p. 70

**ROUND 2**  
**PAGE 2**

5. Cat. 600 Q. 2-Part Question: What type of conformation is undesirable in a pack horse and why?
- A. Little or no withers, because this conformation allows the saddle to turn and rub, creating painful sores; withers that are too high; long weak back.
- S. AYHCLM, p. B 118-1L
6. Cat. 200 Q. According to the American Horse Council, which breed of horse is the most popular in the United States?
- A. The Quarter Horse
- S. Evans, p. 137
7. Cat. 1000 Q. On a Western Bridle, to what side of the horse does the throatlatch buckle?
- A. Left/near side
- S. HH, -. 1100-8
8. Cat. 600 Q. Which part of the horse lies between the knee and the arm?
- A. Forearm
- S. Evans, p. 142 & CAHA, p. 1

**ROUND 2**  
**PAGE 3**

9. Cat. 400 Q. What is the primary function of the respiratory system?  
A. To oxygenate the blood  
S. Evans, p. 104
10. Cat. 700 Q. In a pasture with good forage, how many hours a day will a free ranging horse spend grazing?  
A. 10 to 12 hours a day (must fall on or within this range)  
**HH, p. 425-5**
11. Cat. 800 Q. What is the name of the medication that improves circulation within the foot? It is often used on horses with navicular disease.  
A. Isoxsuprine  
S. AYHCLM, p. A 334-2L & EG 288, 290
12. Cat. 100 Q. In reference to vices, what is the term when a horse consciously squeezes the handler against the wall of the stall with its body?  
A. Crowding  
S. Evans, p. 183

**END ONE-ON-ONE**

**ROUND 2**  
**PAGE 4**

**BEGIN OPEN QUESTIONS**

13. Cat. 100 Q. When buying a horse, what is the purpose of a "pre-purchase" examination?
- A. To determine the overall soundness and health of the horse prior to the sale; suitability for intended use..
- S. HH, p. 210-5
14. Cat. 500 Q. In the pregnant mare, the first stages of foaling can often mimic what condition?
- A. Colic
- S. FCH, p. 245

**TOSS-UP QUESTION – BONUS ATTACHED**

15. Cat. 400 Q. The spinal chord is protected by what classification type of bone?
- A. The irregular bones
- S. Evans, p. 90 & CAHA, p. 7
- B. BONUS QUESTION
16. B-700 Q. To aid in nutrient absorption for horses with bad teeth, name four ways that feed can be processed.
- A. Cracked                      Extruded                      Rolled                      Steamed  
Crimped                      Flaked                      Soaked
- S. FCH, p. 75 & Evans, p. 201

**ROUND 2**  
**PAGE 5**

C. RESUME OPEN QUESTIONS

17. Cat. 1000 Q The corner of the horse's mouth should have how many wrinkles with a properly fitted egg-butt snaffle bit?
- A One or two small wrinkles
- S AYHCLM, p. B 108-3L & HH, p. 1100-8
18. Cat. 1000 Q Name a type of martingale that attaches to the reins.
- A Irish Martingale Running Martingale  
German Martingale
- S HH, p. 1100-6
19. Cat. 900 Q To what and where does a goose neck trailer attach?
- A To a ball or fifth-wheel in the bed of a pick-up or truck.
- S AYHCLM, p. 101-3
- D. TOSS-UP QUESTION – BONUS ATTACHED
20. Cat. 600 Q Give two common terms used to describe a horse that is weak in the coupling and shallow in the flank.
- A Hound-gutted, Herring-gutted, Wasp-waisted, Lady-waisted
- S Evans, p. 152

**PAGE 6**

## E BONUS QUESTION

21. B-800 Q. Name four types of colic.

- |   |                              |                                  |
|---|------------------------------|----------------------------------|
| A | Digestive                    | Impaction/Intestinal Obstruction |
|   | Displacement/Twisted         | Incarceration                    |
|   | Excessive Fermentation       | Sand                             |
|   | Exercise Induced             | Spasmodic                        |
|   | Extreme Parasitic Infections |                                  |

- S. HHH, p. 435-2 & Evans, p. 605

## F. RESUME OPEN QUESTIONS

22. Cat. 900 Q. Wire mesh fence comes in two designs, what are they?

- A Diamond Mesh Square Mesh  
Rectangular Mesh with 2" X 4" openings

- S. Evans, p. 763

23. Cat. 800 Q If a horse is said to be “walking on eggs”, what disease condition may be affecting this horse?

- ### A. Founder/Laminitis

- S. Evans, p. 297

24. Cat. 900 Q. What is the term for the service, when a boarding stable takes care of all the horse's needs such as shelter, feeding, stall-cleaning, and possibly exercise & turn-out.

- A** Full-board, Full-care

- S. HHH, p. 110-3

**ROUND 2**  
**PAGE 7**

25. Cat. 500 Q What is the correct name for the membranous organ referred to as the "afterbirth"?
- A Placenta
- S FCH p. 400 & Evans, p. 340
- G TOSS-UP QUESTION – BONUS ATTACHED
26. Cat. 400 Q When looking at a profile view of a horse's mouth, what is the term for the angle formed where the upper & lower incisor teeth meet?
- A The "Angle of Incidence"
- S AYHCLM, p. 105-2L
- H BONUS QUESTION
27. B-1000 Q Bit mouth-pieces are made from numerous substances, name five of these materials.
- A Stainless Steel German Silver  
Solid Nickel/Never Rust Copper  
Aluminum Rubber  
Happy mouth Leather  
Vulcanite
- S HH, p. 1100-10
- I RESUME OPEN QUESTIONS
28. Cat. 700 Q Endophyte toxicity is associated with what type of pasture?
- A A pasture that contains tall fescue.
- S Evans, p. 276 & FCH, p. 352

**ROUND2**  
**PAGE 8**

29. Cat. 800 Q. Where in the horse would Ascarids be found?  
A. Small Intestine, Lungs, Liver  
S. FCH, p. 157
30. Cat. 600 Q. What specific type of ringbone is located at the coffin joint?  
A. Low ringbone  
S. CAHA, p. 40 & Evans, p. 160
31. Cat. 1000 Q. What is the name for the piece of equipment that is used to carry supplies on a pack trip?  
A. Panniers  
S. AYHCLM, p. B 118-1L & HH 1125-3  
J. LAST QUESTION IN MATCH
32. Cat. 900 Q. In reference to horse shoeing, ideally, the nails should exit the hoof how far above the shoe?  
A.  $\frac{3}{4}$  to 1 inch above the shoe  
S. AYHCLM, p. A 321-2L  
K. END ROUND TWO



## 2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

### Round 3

L. BEGIN ONE-ON-ONE

1. Cat. 900 Q. Which type of wound would a "girth-gall" be classified as?

A. Abrasion

S. AYHCLM, p. 109-3L

2. Cat. 500 Q. During which stage of a mare's reproductive cycle will she exhibit eversion of the vulva?

A. Estrus

S. HH, p. 910-1

3. Cat. 300 Q. Name this color. The base coat is chestnut, with a uniform mix of white hairs on the body.

A. Strawberry Roan (not red roan)

S. HH, p. 140-1

4. Cat. 800 Q. A corn would be found in what area of a horse's foot?

A. In the heel area of the foot.

S. AYHCLM, p. A 334-1L

**ROUND 3**  
**PAGE 2**

5. Cat. 100 Q. The domestic horse belongs to which species?  
A. Equus Caballus  
S. Evans, p. 13
6. Cat. 200 Q. What was the original name for the Standardbred?  
A. American Trotting Horse  
S. Evans, p. 28
7. Cat. 400 Q. Which region of the vertebral column is the most flexible?  
A. The cervical region  
S. Evans, p. 96
8. Cat. 900 Q. What structure acts as a safety in that it will help to prevent a horse from falling out of a trailer when the door is open?  
A. Butt bar or Butt chain  
S. AYHCLM, p. I 201-1L

ROUND 3  
PAGE 3

9. Cat. 700 Q. Give two ways hay can be fed to horses other than in loose form.
- A. Cubed Chopped Pelleted Wafers  
Silage Compressed
- S. FCH, p. 66
10. Cat. 600 Q. What is the definition of a stride?
- A. It is the distance between successive imprints of the same foot
- S. FCH, p. 405
11. Cat. 1000 Q. To what part of the English bridle does the throatlatch attach?
- A. The crown piece
- S. HH, p. 1100-7
12. Cat. 600 Q. What is the term for the physical appearance of an animal?
- A. Conformation or Phenotype
- S. HH, p. 220-1

END ONE-ON-ONE

**ROUND 3**

**PAGE 4**

**M BEGIN OPEN QUESTIONS**

13. Cat. 700 Q. What grain can be fed as rolled, shelled, cracked, whole, or on the ear and is often used as a source of energy for the horse?
- A. Corn
- S. AYHCLM, p. B 102-2
14. Cat. 800 Q. Two part Question: What is "smegma" and where is it found?
- A. Waxy substance formed by sebaceous glands that builds up in a horse's sheath/prepuce.
- S. CAHA, p. 5a

**TOSS-UP QUESTIONS – BONUS ATTACHED**

15. Cat. 500 Q. When is the conception rate the highest in a mare?
- A. 1 or 2 days prior to ovulation or foal heat
- S. HH, p. 930-1

**N BONUS QUESTION**

16. B-900 Q. During cleaning of the foot, name four things that the foot should be inspected for.
- |    |   |                       |
|----|---|-----------------------|
| A. | Abnormal Growth                               | Loose Shoes (if shod) |
|    | Bruises                                       | Loose/Missing Nails   |
|    | Diseases (thrush/whiteline)                   | Puncture Wounds       |
|    | General Condition (cracks, splits, dry, etc.) | Uneven Wear           |
|    | Lodged debris (dirt, rocks, etc.)             |                       |
- S. Evans, p. 720

**ROUND 3**  
**PAGE 5**

O. RESUME OPEN QUESTIONS

17. Cat. 400 Q. Why do you measure a horse's height at the withers?

A. It is the tallest, in-moble, constant part of the horse.

B. Evans, p. 151

18. Cat. 100 Q. In reference to horse racing, a short fast training run usually 3-4 furlongs in length is referred to as what?

A. Blow-out (not Breeze which is an easy work out)

T. FCH, p. 382

19. Cat. 600 Q. Give the term for the traveling defect when the toe of the hind foot hits the sole or the shoe of the forefoot on the same side.

A. Forging

S. Evans, p. 179

P. TOSS-UP QUESTIONS – BONUS ATTACHED

20. Cat. 900 Q. Name three considerations when buying bedding.

A.	Absorbency	Easily Disposed of	Cost
	Availability	Readily Available	Combustibility
	Dust-free	Unpalatable	Comfortable

B. HH, p. 330-1

**ROUND 3**

**PAGE 6**

Q. BONUS QUESTION

21. B-900

Q. Although straw is a popular bedding for horses, give four (4) disadvantages it may present.

A. Horses eat straw  
Highly combustible  
Lg. Volume of debris  
Dusty  
Cost

High labor in cleaning  
Lg. Amount of storage room  
Difficult to dispose of  
Availability

S. HH, p. 330-1

**RESUME OPEN QUESTIONS**

22. Cat. 400

Q. What is the name of the muscles located between the ribs that are involved in inspiration?

A. The inter-costal muscles

S. HH, p. 895-1

23. Cat. 800

Q. What type of tooth is usually not present in a mare?

A. Canine, Tush or Bridle teeth

S. CAHA, p. 48

24. Cat. 200

Q. What is the term used to describe the canter of the Tennessee Walking Horse?

A. Rocking Chair Canter

S. AYHCLM, p. B 110-1L

**ROUND 3**

**PAGE 7**

25. Cat. 700 Q. What physical part of hay contains the highest level of carbohydrates and protein?
- A. Leaves
- S. AYHCLM, p. A 337-2L; FCH, p. 68 & HH, p. 750
- R. TOSS-UP QUESTION – BONUS ATTACHED
26. Cat. 600 Q. In which of the following breeds of horse would you see a “suspension” during the trot, the Hackney or the Standardbred?
- A. Standardbred
- S. Evans, p. 173
- S. BONUS QUESTION
27. B-400 Q. Name four different areas where the pulse of a horse can be felt using your fingers.
- A. Facial artery (under the jaw)  
Transverse facial artery (just below the eye)  
Lateral dorsal metatarsal artery (on hind leg on outside of cannon bone)  
Digital arteries (along the fetlock next to the deep digital flexor tendon)  
Metacarpal artery just below carpus (front leg inside)  
Base of tail  
Behind Elbow
- S. CAHA, p. 62
- T. RESUME OPEN QUESTIONS
28. Cat. 400 Q. Name two (2) areas of hair on the horse that do not shed.
- A. Eyelashes                      Tail  
Mane                              Tactile hairs of the muzzle
- S. Evans, p. 129

### ROUND 3

PAGE 8

29. Cat. 500 Q. What is the term used for a mare that takes care of an orphaned foal as her own?
- A. Nurse Mare or Surrogate Mare
- S. Evans, p. 428
30. Cat. 300 Q. A chestnut horse has a hind leg with white that extends to the pastern. In this white area there are liver colored spots. What is the term for these spots?
- A. Ermine or Distal Spots
- S. Evans, p. 83
31. Cat. 800 Q. In what "units" is respiration measured?
- A. Breathes per Minute (BPM)
- S. HH, p. 810-1
- U. LAST QUESTION IN MATCH
32. Cat. 1000 Q. Give the proper term for the raised "bump" in the middle of the mouthpiece of a curb bit.
- A. Port
- S. AYHCLM, p. B 108-3L
- V. END ROUND THREE



## 2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

### Round 4

#### BEGIN ONE-ON-ONE

1.     Cat. 200     Q.     Which breed MUST have an ancestry of 50% or higher of Arabian blood?

                      A.     Half-Arabian

                      S.     Evans, p. 17
  
2.     Cat. 700     Q.     What is the main factor to consider when storing hay?

                      A.     To protect hay from moisture, heating, elements

                      S.     HH, p. 710-5
  
3.     Cat. 500     Q.     A healthy foal will normally sleep in what position?

                      A.     On its side

                      S.     AYHCLM, p. B 112-2L
  
4.     Cat. 400     Q.     Two Part Question: What is the function of the "panniculus" muscle, and where is it located?

                      A.     Muscle under the skin that enables the horse to flick off flies

                      S.     Evans, p. 196

**ROUND 4**

**PAGE 2**

5. Cat. 600 Q. A horse uses what (2) parts of its body to aid in stability and balance?
- A. The head and neck
- S. Evans, p. 141
6. Cat. 600 Q. What part of the horse's body has a conformation problem when it is referred to as being "goose-rumped"?
- A. Croup
- S. Evans, p. 154
7. Cat. 100 Q. What is the proper term for the "boss mare" or most dominant horse in a herd?
- A. Alpha Horse
- S. Evans, p. 678
8. Cat. 800 Q. Which type of parasite commonly feeds on horses at dusk and dawn?
- A. Mosquito
- S. AYHCLM, p. B 100-1L

**ROUND 4**  
**PAGE 3**

9. Cat. 900 Q What substance helps to reduce the ammonia level in stalls?  
A Hydrated Lime  
S FCH, p. 193
10. Cat. 800 Q What characteristic makes Strangles easy to identify?  
A A puss-filled abscess located between jawbones or base of jaw. Thick or purulent yellow discharge.  
S FCH, p. 173
11. Cat. 500 Q In the newborn foal, the navel stump is a site that allows easy access for the invasion of what organism into the body?  
A Bacteria  
S AYHCLM, p. B 112-1L
12. Cat. 1000 Q What is attached to the end of closed or California reins?  
A A small quirt/Romal  
S HHH, p. 1100-8

**END ONE-ON-ONE**

**ROUND 4**  
**PAGE 4**

**W. BEGIN OPEN QUESTIONS**

13. Cat. 900 Q. Other than good nutrition, what is the most important factor that improves the appearance of the hair coat?
- A. Frequent and thorough grooming
- S. FCH, p. 180
14. Cat. 600 Q. What is the term for a neck that has a thickened, rounded underline and a concave top line?
- A. Ewe neck
- S. FCH, p. 389 & Evans, p. 145

**TOSS-UP QUESTION – BONUS ATTACHED**

15. Cat. 400 Q. What primary effect does sweating have on the body of the horse?
- A. Dissipates heat
- S. Evans, p. 129 & CAHA, p. 5a

**BONUS QUESTION**

16. B-900 Q. Name four (4) practices that help to insure a successful fly control program.
- A. Control of moisture  
Elimination of breeding materials/Good sanitation  
Judicious use of insecticides  
Mechanical control  
Biological control
- S. AYHCLM, p. I 200-1L

**ROUND 4**

**PAGE 5**

**X RESUME OPEN QUESTIONS**

17. Cat. 800 Q. How would you keep a horse with a broken leg on the ground until the Veterinarian arrives?
- A. By sitting on its neck and applying pressure to the head will keep the horse on the ground.
- S. Evans, p. 610
18. Cat. 900 Q. What is the term for a horse that is being disobedient by repeatedly turning back towards the barn it is being ridden away from?
- A. Barn-sour
- S. FCH, p. 152
19. Cat. 300 Q. A coat color of dappled chestnut with a silver or white mane and tail is commonly associated with which breed?
- A. Shetland Pony or Miniature Horse (could also accept Rocky Mountain Horse)
- S. Evans, p. 59

**TOSS-UP QUESTION – BONUS ATTACHED**

20. Cat. 1000 Q. Two Part Question: When would you commonly see a “head bumper” being used on a horse and give a reason why.
- A. During trailering  
Horse that is too tall for trailer  
Horse that is a bad shipped and tends to throw head up or rear during loading or unloading  
Barn w/ low ceilings/doorways  
General safety
- S. AYHCLM, p. I 201-2L

**ROUND 4**  
**PAGE 6**

**BONUS QUESTION**

21. B-700 Q Give six characteristics of a good *pasture area* for horses.

- A Adequate foliage free of weeds and toxic plants  
Adequate shelter – not necessarily man-made  
Adequate size for # of horses  
Fence of adequate height – no barb wire  
Free of obstacles, holes and debris  
Ready access of salt  
Ready access of shade  
Ready access of water  
Sufficiently dry surface footing

S. FCH, p. 103

**RESUME OPEN QUESTIONS**

22. Cat. 900 Q In reference to shoeing, what is meant by the term re-set?

A When the farrier uses the same set of shoes for a second time

S. Evans, p. 742

23. Cat. 100 Q Giving only one number as an answer, what is the normal respiration rate of a mature horse at rest?

A Accept any number including and within 8– 16 breaths per minute

S. Evans, p. 108

24. Cat. 700 Q Which two minerals are needed for the necessary formation of bone?

A Calcium and Phosphorous

S. Evans, p. 221 & FCH, p. 20

**ROUND 4**  
**PAGE 7**

25. Cat. 400 Q The Radius and Ulna comprise what structure of the horse?
- A The forearm
- S Evans, p. 684 & CAHA, p. 10

**TOSS-UP QUESTION – BONUS ATTACHED**

26. Cat. 200 Q Identify the breed from the description: This breed of horse has a running walk similar to that of the Tennessee Walking Horse and the Pasos. They have been imported from Mexico since the late 1950's, and range in size from 12 to 13.2 hands. Albinos, pintos and crosses are not eligible for registration. Which breed is this?
- A Galiceno (GaH-sehn-yo)
- S Evans, p. 45

**BONUS QUESTION**

27. B-500 Q Name (5) behaviors of a mare in diestrus towards a stallion.
- A      Biting                      Squealing  
         Kicking                  Tail Switching  
         Striking
- S. AYHCLM, p. I 226-2L

**RESUME OPEN QUESTIONS**

28. Cat. 500 Q Name three of the criteria used to evaluate stallion semen.
- A      Concentration                  Motility  
         Morphology                      Volume
- S. Evans, p. 365

**ROUND 4**  
**PAGE 8**

29. Cat. 600 Q. Which gait of the horse is referred to as the "horse's most useful gait" and has been termed the "nearly ideal form of locomotion"?
- A. The Walk
- S. Evans, p. 172
30. Cat. 800 Q. If a horse consistently rubs its tail, name two parasites that may be present?
- A. Internally – pinworms  
Externally – ticks, mites, lice; allergic reaction to biting midge
- S. FCH, p. 158
31. Cat. 900 Q. When shipping one horse in a two-horse trailer, on which side of the trailer should the horse be loaded?
- A. Left side
- S. AYHCLM, p. I 104-6L

**LAST QUESTION IN MATCH**

32. Cat. 800 Q. Concerning Equine Infectious Anemia, what specific item does the Coggins Test reveal?
- A. Presence of ANTIBODIES against the EIA virus
- S. Evans, p. 600 & HH, p. 630-1

**END ROUND FOUR**



## 2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

### Round 5

#### BEGIN ONE-ON-ONE

1.     Cat. 400     Q.     In the horse, the nose, ears and eyes are referred to as what type of organs?  
                         A.     Specialized Sensory Organs  
                         S.     Evans, p. 118
  
2.     Cat. 300     Q.     What is the most frequent color of the Welsh Mountain pony?  
                         A.     Gray  
                         S.     Evans, p. 61
  
3.     Cat. 700     Q.     When harvesting Timothy hay, it should be cut no later than what stage?  
                         A.     "Boot" stage – when head begins to appear thru sheath  
                         S.     FCH, p. 69
  
4.     Cat. 900     Q.     Which parasite of the horse comes in two types – biting and sucking?  
                         A.     Lice  
                         S.     HH, p. 415-6

**ROUND 5**  
**PAGE 2**

5. Cat. 900 Q. What are two major preparation steps needed before installing rubber mats in a stall?
- A. Floor is level  
Floor is well packed  
Good drainage
- S. HH, p. 320-2
6. Cat. 600 Q. A horse that travels with a rolling gait and a heavy front end often has what type of wither conformation?
- A. Low, flat, round, thick withers or mutton withered
- S. Evans, p. 151
7. Cat. 200 Q. What is the name for the synthetic breed that resulted from crossing a Morgan and an Arabian?
- A. Morab
- S. Evans, p. 45
8. Cat. 200 Q. What breed of horse is registered on a temporary basis until it reaches five years of age?
- A. American Miniature Horse
- S. HH, p. 154-1

**ROUND 5**  
**PAGE 3**

9. Cat. 900 Q. What is one of the oldest method of identification for horses?  
A. Hot Iron Branding  
S. Evans, p. 742
10. Cat. 500 Q. The expulsion of a fetus prior to (300) days of gestation is called what?  
A. Abortion  
S. Evans, p. 425
11. Cat. 800 Q. What simple test is used to determine dehydration in the horse?  
A. A skin pliability test/pinch test  
S. AYHCLM, p. 425-2
12. Cat. 900 Q. What type of stall door is the safest and easiest to use around horses?  
A. Sliding Doors  
S. HH, p. 320-6

**END ONE-ON-ONE**

**ROUND 5**  
**PAGE 4**

**BEGIN OPEN QUESTIONS**

13. Cat. 600 Q. The speed of a horse is determined by stride length and what other factor?
- A. Stride frequency or rapidity
- S. Evans, p. 169
14. Cat. 700 Q. Give two reasons why soybean meal is a popular supplement.
- A. High in protein  
Economical or cheaper
- S. AYHCLM, p. A 302-1L, Evans, p. 256 & FCH, p. 142

**TOSS-UP QUESTION – BONUS ATTACHED**

15. Cat. 1000 Q. What piece of equipment is used in conjunction with a curb bit but not with a snaffle bit?
- A. Curb Strap/Chain
- S. HHH, p. 1100-8

**BONUS QUESTION**

16. B-600 Q. Name the five types of walk that may be called for in a dressage test.
- A. Working Walk                      Collected Walk  
Medium Walk                      Extended Walk  
Free Walk
- S. Evans, p. 174

**ROUND 5**  
**PAGE 5**

**RESUME OPEN QUESTIONS**

17. Cat. 400 Q. What is the term for the type of vision where the horse sees the same scene with both eyes?
- A. Binocular Vision
- S. HH, p. 1220-1
18. Cat. 600 Q. What is the term for a swelling of the synovial membrane lining a joint or tendon sheath which does not cause lameness?
- A. Wind gall/wind puff
- S. FCH, p. 408
19. Cat. 500 Q. Which hormone stimulates spermatogenesis or the production of sperm in the stallion?
- A. FSH
- S. AYHCLM, p. A 32701L & HH, p. 290

**TOSS-UP QUESTION – BONUS ATTACHED**

20. Cat. 900 Q. What sound acts as a warning signal between horses?
- A. Snort
- S. FCH, p. 153

**ROUND 5**  
**PAGE 6**

**BONUS QUESTION**

21. B-100 Q. Name six corrective or therapeutic horse shoes.

A.	Bar across break-over point	Heart bar shoe
	Bar shoe	Heel caulks
	Caulk at first outside nail hole	Lateral toe extension w/ trailer
	Chadwick spring	Rolled toe
	Egg Bar	Slipper heels
	Half rim	Square toe
	Half shoe	Trailer

S. Evans, p. 749

**RESUME OPEN QUESTIONS**

22. Cat. 300 Q. What color are a horse's hooves usually at birth?

A. White

S. Evans, p. 82

23. Cat. 800 Q. What is the general term for severe, painful cramping of large muscle masses, resulting in discoloration of the urine from the by-products of muscle destruction?

A. Tying-Up, Azoturia, Black water disease, Monday Morning Sickness

S. FCH, p. 407

24. Cat. 900 Q. When would you use a hospital plate on a shoe?

A. When the foot is abscessed or the sole has an injury. It is easy to remove and apply medication to the bottom of the foot, also keeps out debris

S. HH, p. 515-5

**ROUND 5**  
**PAGE 7**

25. Cat. 100 Q What is a "Perlino"?
- A A coat color that is a double dilution of the bay coat color
- S Evans, p. 81

**TOSS-UP QUESTION - BONUS ATTACHED**

26. Cat. 800 Q In reference to a wound, what is meant by the term "golden period"?
- A The elapsed time from injury to closure, after which suturing a wound would do little good.
- S HHH, p. 440-3

**BONUS QUESTION**

27. B-1000 Q Name four (4) hitches used to tie a load on a pack saddle.
- A Arizona Single-diamond  
Double-diamond Squaw  
Half-diamond Triple
- S AYHCLM, p. B 118-1L & HHH 1125-1

**RESUME OPEN QUESTIONS**

28. Cat. 600 Q What is measured from the chest floor to the top of the withers?
- A Depth of heart or Heart Girth
- S AYHCLM, p. A 323-2L

**ROUND 5**  
**PAGE 8**

29. Cat. 900 Q. Two Part Question: Which type of wood is least preferred for horse fence and why?
- A. Soft Pines (Douglas Fir, Western Pine, White Pine)  
Weak in strength  
Very tasty to horses – invites chewing
- S. FCH, p. 185
30. Cat. 800 Q. At what stage are Red Maple leaves toxic to horses?
- A. When they are wilted or dried.
- S. FCH, p. 331
31. Cat. 400 Q. What type of effect does a shoulder “sweeney” have on a horse’s performance?
- A. Little or no effect
- S. Evans, p. 703

**LAST QUESTION IN MATCH**

32. Cat. 1000 Q. What is the name of a colorful woven blanket used with a western saddle that is made from wool?
- Navajo
- S. HH, p. 1100-5

**END ROUND FIVE**



## 2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

### Round 6

#### BEGIN ONE-ON-ONE

1.     Cat. 1000     Q.     On a Pelham bit, which set of reins, upper or lower works like a snaffle?  
                         A.     Upper  
                         S.     AYHCLM, p. B108-3L
  
2.     Cat. 900     Q.     What is the term used for a horse that requires less feed than others under the same conditions?  
                         A.     Easy Keeper  
                         S.     FCH, p. 388
  
3.     Cat. 900     Q.     In a single day, the average 1000 lb. horse can produce how much manure?  
                         A.     40 to 50 pounds  
                         S.     HH, p. 360-2
  
4.     Cat. 500     Q.     How is it determined that a stallion has ejaculated while breeding a mare?  
                         A.     Tail flagging (raising & lowering of the tail several times)  
                         S.     Evans, p. 387 & FCH, p. 389

ROUND 6

PAGE 2

5. Cat. 200 Q. In the United States, based on registry, which breed of draft horse is the most common?
- A. Belgium
- S. AYHCLM, p. B 110-1L
6. Cat. 900 Q. What is the term for the type of sheet that is used during outdoor exercise in cold weather that runs from the withers to the hindquarters?
- A. Half-sheet (*NOT quarter-sheet – which only runs from the loin/coupling area and over the hindquarter*)
- S. HHH, p. 1100-16
7. Cat. 800 Q. What is the first step in treating an abscess?
- A. Opening the affected area to allow it to drain
- S. AYHCLM, p. A 334-2L
8. Cat. 400 Q. Which structures carry blood away from the heart?
- A. Arteries
- S. Evans, p. 112 & CAHA, p. 58,59

**ROUND 6**  
**PAGE 3**

9. Cat. 600 Q. What type of hernia only occurs in male horses?  
A. Scrotal hernia  
S. Evans, p. 168
10. Cat. 800 Q. In which system of the horse would Septicemia occur?  
A. Circulatory/Cardio Vascular  
S. Evans, p. 595
11. Cat. 1000 Q. What is the benefit from using a "copper" mouth-piece in a bit?  
A. A copper mouth-piece increases salivation  
S. HH, p. 1100-10
12. Cat. 700 Q. What is the first nutrient that man or animal would notice an inadequate amount of?  
A. Water  
S. Evans, p. 246

**END ONE-ON-ONE**

**ROUND 6**  
**PAGE 4**

**Y. BEGIN ONE-ON-ONE**

13. Cat. 100 Q. What stimulus induces the growth of a horse's winter hair coat?
- A. Shortened photo-period (day-light) NOT temperature
- S. AYHCLM, p. A 304-20
14. Cat. 700 Q. Give two purposes that a pasture serves for horses.
- A. Provide area for exercise  
Source of feed
- S. FCH, p. 103

**TOSS-UP QUESTION – BONUS ATTACHED**

15. Cat. 500 Q. Explain the difference in the parentage of a mule and a hinny.
- A. Mule – jack (male donkey) X mare (female horse)  
Hinny – jennet (female donkey) X stallion (male horse)
- S. Evans, p. 76

**BONUS QUESTION**

16. B-200 Q. Name five (5) modifications of the "black" coat color.
- A. Bay Grulla  
Buckskin Perlino  
Dun Seal Brown
- S. Evans, p. 473

**ROUND 6**  
**PAGE 5**

**RESUME OPEN QUESTIONS**

17. Cat. 600 Q. What is the term for the dropping of partially chewed feed from the mouth?  
A. Quidding  
S. HHH, p. 405-3
18. Cat. 900 Q. Eyelids wide open, flared nostrils, snorting, tail tucked between legs, balking, shying and a whinny of distress are all signs of what in the horse?  
A. Fright, horse is afraid of something  
S. FCH, p. 376
19. Cat. 400 Q. A horse that has all of its' permanent teeth is referred to as what?  
A. "Full-mouthed"  
S. FCH, p. 400

**TOSS-UP QUESTION – BONUS ATTACHED**

20. Cat. 800 Q. What is the purpose of a pressure bandage?  
A. To control or stop hemorrhage/bleeding  
S. Evans, p. 609

**ROUND 6**  
**PAGE 6**

**BONUS QUESTION**

21. B-900 Q. Give (4) possible causes of a stable fire.
- A. Accumulation of Dust & Cobwebs (very flammable)  
Appliances (space heater, washer, dryer, etc.)  
Bucket/Water Heaters  
Chemical Reaction (Gas, Kerosene, Fly Spray, Aerosol Cans Etc. left in area of extreme heat build-up)  
Electrical Storm/Lightening  
Garbage/Debris Piled Up Around Heat or Ignition Source  
Horse/Rodent Chewing Through Electrical Wires  
Smoking In or Around Stable  
Spontaneous Combustion of Improperly Cured Hay
- S. HH, p. 320-1

**RESUME OPEN QUESTIONS**

22. Cat. 400 Q. Name the four accessory organs that aid in digestion in the horse/
- A. Teeth Salivary glands  
Liver Pancreas
- S. AYHCLM, p. 103-1
23. Cat. 500 Q. What is the function of the cremaster muscle?
- A. Raise and lower the scrotum
- S. AYHCLM, p. A 327-1; HH, p. 920 & Evans, p. 355
24. Cat. 700 Q. In reference to the circulatory system of the horse, which vitamin is essential for the activation of several blood clotting factors?
- A. Vitamin K
- S. FCH, p. 50

## ROUND 6

### PAGE 7

25. Cat. 600 Q. Name a two-beat diagonal gait.

A. Trot  
Rein-back

S. Evans, p. 173 & FCH, p. 390

#### TOSS-UP QUESTION – BONUS ATTACHED

26. Cat. 300 Q. The basic coat colors of the horse can be modified four different ways. Name them.

A. Dilutions                      Roaning  
Graying                      Spotting

S. Evans, p. 81

#### BONUS QUESTION

27. B-700 Q. Name five toxic plants that are sudden death-inducing to horses.

A.	Arrow Grass	Chokecherry	Death Camas
	Dog Bane/Indian Hemp	Elderberry	Foxglove
	Goose Grass	Hemlock	Johnson Grass
	Larkspur	Lilly of the Valley	Milkweed
	Oleander	Pod Grass	Serviceberry
	Sudan Grass	Water Hemlock	Wild Blue Fox
	Yew		

S. FCH, p. 334

#### RESUME OPEN QUESTIONS

28. Cat. 800 Q. Identify the disease based on the following symptoms: Prolapse of the third eyelid, spasms of the masseter muscle, difficulty walking, nearly 100% mortality and a sawhorse posture.

A. Tetanus

S. Evans, p. 601

**ROUND 6**  
**PAGE 8**

29. Cat. 200 Q. What is the phrase commonly used to describe the American Saddlebred breed of horse?

A. 'Peacock of the Show World'

**AYHCLM, p. B 110-2L**

30. Cat. 900 Q. For what purpose is glycerin soap used?

A. Cleaning agent for tack and equipment

S. HH, p. 1100-14

31. Cat. 400 Q. What type of skeletal muscle group extends or straightens a joint?

A. Extensor muscles

S. Evans, p. 104

**LAST QUESTION IN MATCH**

32. Cat. 800 Q. What is the term used when the respiration rate of the horse is higher than the pulse rate?

A. Inversion

S. AYHCLM, p. B 115-1L

**END ROUND SIX**



## 2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

### Round 7

#### BEGIN ONE-ON-ONE

1.     Cat. 400     Q.     When looking at a profile view of a horse's mouth, what is the term for the angle formed where the upper & lower incisor teeth meet?

                         A.     Buying an inexperienced or bad-mannered horse for an inexperienced rider

                         S.     FCH, p. 191
  
2.     Cat. 500     Q.     The Allantois, Amnion and Chorion comprise what structure?

                         A.     The fetal placenta

                         S.     Evans, p.340
  
3.     Cat. 400     Q.     What is the term for the cutting of the digital nerve to relieve pain?

                         A.     Nerving (not nerve block) or Nerectomy

                         S.     CAHA, p. 22 & FCH, p. 397
  
4.     Cat. 200     Q.     Which breed is known as the "Prince of Ponies"?

                         A.     Hackney

                         S.     Evans, p. 61

**ROUND 7**  
**PAGE 2**

5. Cat. 900 Q. Name two (2) vices that are quickly and often copied by other horses.
- A. Cribbing  
Weaving  
Wood Chewing
- S. Evans, p. 183
6. Cat. 100 Q. What do the initials P-R-C-A stand for?
- A. Professional Rodeo Cowboy Association
- S. Evans, p. 164
7. Cat. 600 Q. Most gaits are symmetrical, however, there are two "asymmetrical" gaits. Name them.
- A. Canter/Lope  
Gallop
- S. Evans, p. 172
8. Cat. 700 Q. Which vitamin is not needed in the horse's diet, but in humans causes scurvy?
- A. Vitamin C
- S. FCH, p. 60

**ROUND 7**  
**PAGE 3**

9. Cat. 900 Q. What category of behavior is being demonstrated when horses huddle together during inclement weather?
- A. Contactual Behavior
- S. Evans, p. 673
10. Cat. 800 Q. What is the medical term for an irregularity in the rhythm of the heartbeat?
- A. Arrhythmia
- S. EG 261
11. Cat. 800 Q. Other than radiographs, what is the best method of diagnosing Navicular Disease?
- A. The use of "Hoof Testers"
- S. AYHCLM, p. A 334-2L
12. Cat. 500 Q. Which structure of the horse is responsible for maintaining proper temperature for sperm production?
- A. Scrotum
- S. AYHCLM, p. I 227-2L

**END ONE-ON-ONE**

**ROUND 7**  
**PAGE 4**

**BEGIN OPEN QUESTIONS**

13. Cat. 400 Q During exercise, body heat is primarily produced by what system?  
A The muscle system  
S FCH, p. 199
14. Cat. 700 Q Which of the following common cereal grains fed to horses is lowest in crude protein: Barley, Corn, Oats or Wheat?  
A Corn  
S AYHCLM, p. A 302-1 & FCH, p. 71

**TOSS-UP QUESTION – BONUS ATTACHED**

15. Cat. 600 Q Name the fastest artificial 4-beat gait.  
A The Rack  
S Evans, p. 178

**BONUS QUESTION**

16. B-900 Q Give four external characteristics of the foot of a horse that suffers from chronic founder.  
A Abnormal Growth Rings on the hoof  
Bulging of the Sole  
Distance between growth rings at the toe is less than the distance between the same growth rings at the quarter of the heel  
Front of the hoof wall may have a dished or concave shape  
Sole is flattened  
Toes may curl upward, especially if not kept trimmed  
Widening of the "white line"  
S Evans, p. 299

**ROUND 7**  
**PAGE 5**

**RESUME OPEN QUESTIONS**

17. Cat. 300 Q. In reference to roan horses, name two areas of the body other than the mane & tail that may be more solid-colored than roaned?
- A. The head, neck, lower legs, mane and tail
- S. Evans, p. 81
18. Cat. 1000 Q. What piece of equipment is used to keep a pack-saddle from sliding backwards?
- A. Breast Collar
- S. HH, p. 1125-2 & AYHCLM, p. B 118-2L
19. Cat. 300 Q. In reference to coat colors, what are two common names for a very dark chocolate shade of chestnut?
- A. Liver Chestnut or Black Chestnut
- S. Evans, p. 80

**TOSS-UP QUESTION – BONUS ATTACHED**

20. Cat. 200 Q. Which American breed of horse had the first association formed in the United States?
- A. American Saddlebred Horse Association
- S. HH, p. 156-1

ROUND 7  
PAGE 6

BONUS QUESTION

21. B-800 Q. Give five externally visual means of horse identification.
- |    |   |                                 |
|----|---|---------------------------------|
| A. | Brand   | Chestnuts                       |
|    | Coat Color Pattern (paints/pintos/appaloosas) | Cowlicks (hair whorls)          |
|    | Markings                                      | Muscular dimples/defects        |
|    | Scars   | <b>(NOT tattoo is internal)</b> |
- S. Evans, p. 80

RESUME OPEN QUESTIONS

22. Cat. 600 Q. A horse with what type of conformation is prone to curbs?
- A. A horse that is extremely sickle hocked.
- S. CAHA, p. 40 & FCH, p. 386
23. Cat. 900 Q. Exercising a horse in a pool can be beneficial. Name (2) benefits.
- |    |                         |                              |
|----|-------------------------|------------------------------|
| A. | Increases wind          | Increases stamina            |
|    | Improves muscle tone    | Prevents concussion to limbs |
|    | Cardio-vascular fitness |                              |
- S. Evans, p. 784
24. Cat. 800 Q. In reference to wound care, name three purposes of a bandage.
- |    |                                      |                          |
|----|--------------------------------------|--------------------------|
| A. | -Immobilize the wound to aid healing | -Protects from infection |
|    | -Keeps wound clean                   | -Reduces swelling        |
|    | -Keeps medication on wound           | -Controls bleeding       |
|    | -Protects from further trauma        |                          |
- S. AYHCLM, p. B 109-2L

## ROUND 7

### PAGE 7

25. Cat. 500 Q. You are planning to breed your chestnut stock type mare, and would love her to produce a palomino foal. In order to guarantee a foal of this color, what color stallion should she be bred to?
- A. Cremello stallion (bred to a chestnut mare will produce 100% palomino foals)
- S. Evans, p. 51

#### TOSS-UP QUESTION – BONUS ATTACHED

26. Cat. 1000 Q. Name three areas to which a hackamore bit applies pressure.
- A. Nose                  Face                  Jaw  
Chin                  Poll                  Cheeks (Not the mouth)
- S. AYHCLM, p. B 108-2L & HH, p. 1100-10

#### BONUS QUESTION

27. B-700 Q. Give four (4) reasons why a gelding could be excessively overweight other than for hormonal reasons.
- A. Grass Fat – unrestricted pasture grazing  
Inadequate Exercise  
Intentionally Over Fed – to mask undesirable traits if being used for show or sale  
Unintentionally Over Fed - by novice owner  
Dominant horse in a group feeding situation
- S. Evans, p. 295 & FCH, p. 12, 152

#### RESUME OPEN QUESTIONS

28. Cat. 800 Q. What is the term for a parasite that cannot survive away from the host animal?
- A. "Obligate Parasite"
- S. AYHCLM, p. 300-1L

**ROUND 7**  
**PAGE 8**

29. Cat. 600 Q. Name the two tendons that may be involved in a bow?
- A. Superficial Flexor tendon  
Deep Digital Flexor tendon
- S. FCH, p. 383
30. Cat. 500 Q. How long does it take for a foal's immune system to become functional and able to produce significant levels of antibodies?
- A. 2 to 4 months
- S. AYHCLM, p. B 112-2L
31. Cat. 400 Q. The sternum is comprised of how many bones?
- A. One
- S. Evans, p. 90 & CAHA, p. 8

**LAST QUESTION IN MATCH**

32. Cat. 700 Q. At what stage of growth is hay most easily digested by the horse?
- A. Immature hay, pre-bloom, boot stage
- S. AYHCLM, p. A 337-2L; FCH, p. 68 & HHH, p. 750

**END ROUND SEVEN**



## 2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

### Round 8

#### BEGIN ONE-ON-ONE

1.     Cat. 1000     Q     Two-part question. Where would you find a "Latigo" and what is its purpose?

                         A     Latigo is found on a western saddle; it is the strap that ties up the cinch on the left side of the saddle.

                         S     HH, p. 1100-4
  
2.     Cat. 600     Q     An inflammation of the Synovial Membrane on the inside front portion of the Hock Joint is referred to as what?

                         A     Bog Spavin

                         S     Evans, p. 165
  
3.     Cat. 900     Q     Two part question: In reference to vices, what is weaving, and where is it commonly seen?

                         A     When a horse throws its body from side to side when standing  
                         In stall or along a fence line at or near the gate in a paddock where grazing is restricted

                         S     FCH, p. 382
  
4.     Cat. 600     Q     How do horses naturally groom themselves?

                         A     Mutual Grooming  
                         Rolling

                         S     Evans, p. 675

ROUND 8

PAGE 2

5. Cat. 500 Q. Two Part Question: What is the common term for the "Olfactory Reflex", and describe the reflex?
- A. Flehman Reflex/Posture – when horse smells something, then extends its neck upward, curling back the lips from over the teeth.
- S. Evans, p. 387
6. Cat. 300 Q. In general terms, what distinguishes the difference between Tovero, Overo and Tobiano Paint horses.
- A. The location of color on the horse.
- S. AYHCLM, p. B110-2L
7. Cat. 900 Q. A means of forced exercise, name the mechanical device that is used to help develop and condition halter horses.
- A. Tread Mill                      Equicizer                      Hot Walker
- S. Evans p. 784
8. Cat. 600 Q. Explain the foot fall sequence of a horse on the right lead at the gallop beginning with contact of the left hind leg with the ground.
- A. Left Hind  
Right Hind  
Left Fore  
Right Fore
- S. Evans, p. 177

**ROUND 8**  
**PAGE 3**

9. Cat. 800 Q. What is the purpose of a steroid when used properly?
- A. To control inflammation  
Surpress allergic reaction
- S. EG 256
- 
10. Cat. 900 Q. Name two things that an equine dentist feels in the horse's mouth.
- A. Sharp enamel points                      Uneven wear  
Hooks on the sides where teeth do not fully come together  
Sharp edges                                  Loose teeth  
Missing/damaged teeth
- S. AYHCLM, p. A 304-1L & FCH, p. 177
- 
11. Cat. 600 Q. In reference to a horse, give three characteristics of a "coarse" head.
- A. Large ears                      Long                      Small eye  
Thick muzzle                      Roman nosed                      Thick throat latch/neck
- S. Evans, p. 141
- 
12. Cat. 300 Q. Two Part Question: At birth, what color is the coat of a true white horse, and what color is its skin?
- A. White Coat  
Pink Skin
- S. Evans, p. 53

**END ONE-ON-ONE**

**ROUND 8**  
**PAGE 4**

**BEGIN OPEN QUESTIONS**

13. Cat. 500      Q.    The ovary is responsible for the production of which two female hormones?
- A.    Estrogen  
         Progesterone
- S.    HH, p. 910-4
- 
14. Cat. 200      Q.    Two-Part Question. There are two distinct types of Paso horse. Which breed of Paso does not register spotted horses, and for what gait is the breed most known?
- A.    Peruvian Paso; termino
- S.    Evans, p. 43

**TOSS-UP QUESTION – BONUS ATTACHED**

15. Cat. 600      Q.    Two part question: Name the unique four-beat lateral gait which is essentially a broken pace that can be performed at three different speeds, and name the speeds.
- A.    Gait = Paso  
         Speeds = Paso fino  
                     Paso corto
- Z.    Paso largo
- S.    Evans, p. 178

**BONUS QUESTION**

16. B-600 Q.    What are three structural faults of the front legs?
- |    |   |   |   |
|----|---|---|---|
| A. | Base Narrow<br>Base Wide<br>Bench Knees<br>Bow-legs | Buck-knee<br>Calf-knee<br>Coon or Slew-footed<br>Knock-knee | Offset Cannon<br>Short, Straight Pastern<br>Tied-In At the Knee |
|----|---|---|---|
- S.    Evans, p. 145-157

**ROUND 8**  
**PAGE 5**

**RESUME OPEN QUESTIONS**

17. Cat. 1000 Q. What is the collective term for stirrup leathers, stirrup irons and a girth?
- A. Fittings
- S. HH, p. 1100-3
18. Cat. 400 Q. What is the "Orbital Cavity"?
- A. The bony socket that surrounds and protects the eye of the horse
- S. Evans, p. 90 & CAHA, p. 41
19. Cat. 700 Q. Name two types of salt blocks available for horses.
- A. Iodized Salt                      Selinized Salt                      Rock Salt  
Plain Salt                      Trace-mineralized Salt
- S. FCH, p. 226

**TOSS-UP QUESTION – BONUS ATTACHED**

20. Cat. 800 Q. What is the term for removing foreign material and dead or damaged tissue from a wound?
- A. Debridement
- S. HH, p. 440-3

**ROUND 8**

**PAGE 6**

**BONUS QUESTION**

21. B-800 Q. Give four uses for a poultice.
- A. Increase the blood supply to an area  
Draw out infection as with an abscess or puncture wound  
Encourage an abscess to open  
Decrease inflammation associated with swelling & bruising caused by concussion
- S. HH, p. 440-6

**RESUME OPEN QUESTIONS**

22. Cat. 900 Q. In addition to the truck bed, to what other part of the truck should a Gooseneck-type hitch be attached?
- A. To the frame under the truck bed
- S. AYHCLM, p. A301-1L
23. Cat. 300 Q. What is the term for a patch of white hairs down the face that does not cover the full width of the nasal bones?
- A. Stripe
- S. Evans, p. 82
24. Cat. 900 Q. According to Lewis, what is the ideal stall size for a draft horse?
- A. 14' X 14'
- S. FCH, p. 181

**ROUND 8**  
**PAGE 7**

25. Cat. 200 Q At a breed show Hackney ponies are divided into two types. What are the types?
- A Cob-Tail  
Long-Tail
- S. Evans, p. 63

**TOSS-UP QUESTION – BONUS ATTACHED**

26. Cat. 100 Q Give three visual signs of aging in the horse with the exception of the changes in the cups of the horse's teeth.
- A Angle of Incidence of the Teeth Galvayne's Groove  
Coarser Hair Coat Graying Hair  
Deep hollow above the eyes Sway-back  
Drooping lower lip
- S. HH, p. 450-6

**BONUS QUESTION**

27. B-700 Q Name the (7) joints of the rear leg in order proximal to distal.
- A Sacroiliac, Hip, Stifle, Hock, Fetlock, Pastern & Coffin
- S. Evans, p. 190

**RESUME OPEN QUESTIONS**

28. Cat. 400 Q On which teeth is the "dental star" first evident?
- A Central Incisors
- S. FCH, p. 387

**ROUND 8**  
**PAGE 8**

29. Cat. 700 Q. How is the plant maturity of legume hay visually determined?
- A. It is determined by the amount of flowers present at the time of harvest.
- S. FCH, p. 68,69; HH, p. 750 & AYHCLM, p. A 337-1L
- 
30. Cat. 500 Q. During which season of the year would a mare naturally be in Anestrus?
- A. During the winter months
- S. HH, p. 910-5
- 
31. Cat. 1000 Q. In addition to keeping a horse in the stall, give two other functions of a stall guard.
- A. Allows for more air circulation into a stall  
Allows horse to hang its head over or out of a stall with a solid door
- S. HH, p. 1100-12

**LAST QUESTION IN MATCH**

32. Cat. 400 Q. What do capillaries connect?
- A. They connect arteries with veins.
- S. EG 272

**END ROUND EIGHT**



## 2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

### Round 9

#### BEGIN ONE-ON-ONE

1. Cat. 500 Q. The process of the production of sperm cells is referred to by what term?  
A. Spermatogenesis  
S. AYHCLM, p. A 327-1, 327-2L & HH p. 920
  
2. Cat. 900 Q. "Charging" is seen most commonly in what type of horse?  
A. Stallion  
S. Evans, p. 183
  
3. Cat. 600 Q. How does the slope of the shoulder influence the length of stride?  
A. The steeper (straighter) the shoulder, the shorter the stride  
The more sloping (angular) the shoulder, the longer the stride  
S. HH, p. 220-6
  
4. Cat. 400 Q. Name two areas on the horse where you would find "tactile hairs".  
A. Eyelids  
Lips/Muzzle  
Nostrils  
S. CAHA, p. 4

**PAGE 2**

- |    |          |    |  |                            |
|----|----------|----|--|----------------------------|
| 5. | Cat. 300 | Q. | Which color modification of the black coat color does not have black points? |                            |
|    |          | A. | Perlino  |                            |
|    |          | S. | Evans, p. 473  |                            |
|    |          |    |  |                            |
| 6. | Cat. 700 | Q. | Name three functions of the gastrointestinal tract of the horse.             |                            |
|    |          | A. | Ingestion of feedstuffs  | Grinding of feedstuffs     |
|    |          |    | Mixing of feedstuffs   | Digestion of feedstuffs    |
|    |          |    | Absorption of feedstuffs   | Elimination of solid waste |
|    |          | S. | Evans, p. 118, 119 & FCH, p. 4, 5  |                            |
|    |          |    |  |                            |
| 7. | Cat. 900 | Q. | What type of horseshoe nail is used to increase traction on icy surfaces?    |                            |
|    |          | A. | Frosthead Nail   |                            |
|    |          | S. | Evans, p. 739  |                            |
|    |          |    |  |                            |
| 8. | Cat. 300 | Q. | What color horse is known as the horse of history, heroes, art and fiction?  |                            |
|    |          | A. | White  |                            |
|    |          | S. | Evans, p. 53   |                            |

**ROUND 9**  
**PAGE 3**

9. Cat. 1000 Q What is the term for the type of mouth-piece that does not have a port and is not jointed in the middle, but has a slight bow?
- A Mullen Mouth
- S HHH, p. 1100-11
10. Cat. 400 Q What two internal parts of the horse are associated with “thumps”?
- A Diaphragm and Heart or Synchronous Diaphragmatic Flutter
- S FCH, p. 213
11. Cat. 700 Q Which weighs less – a quart of pellets or a quart of extruded feed?
- A Extruded Feed
- S Evans, p. 280 & FCH p. 92
12. Cat. 100 Q In reference to a horse’s coat, what does “bloom” mean?
- A Luster, shine of the hair
- S FCH, p. 382 & Evans, p. 129
- AA END ONE-ON-ONE

**ROUND 9**

**PAGE 4**

**BB. BEGIN OPEN QUESTIONS**

13. Cat. 800 Q. How many liters of blood does an average 1000 lb. horse's body contain?

A. 50 liters

S. AYHCLM, p. I 225-3L

14. Cat. 600 Q. During what type of movement is the condition known as "stringhalt" most obvious?

A. Backing or Turning

S. Evans, p. 164 & FCH, p. 405

**CC. TOSS-UP QUESTION – BONUS ATTACHED**

15. Cat. 700 Q. Explain the difference between "straw" and "cereal grain hay".

A. Straw = Plant residue left after the removal of the seed head (grain) from the stem and leaves; used as bedding  
Cereal Grain Hay = Plants such as oats or wheat that are harvested with the seed head (grain) still attached to the stem and leaves; fed as a hay

S. FCH, p. 95

**DD. BONUS QUESTION**

16. B-600 Q. Name four types of unsoundness that do not result in lameness.

A.	Blindness	Parrot Mouth (overshot jaw)
	Cataracts	Poll Evil
	Colic	Respiratory Infection
	Fistula of the Withers	Roaring
	Heaves	Saddle or Girth Sore
	Hernia	Tipped Vulva
	Infertility	
	Monkey Mouth (undershot jaw)	

S. Evans, p. 168

**ROUND 9**  
**PAGE 5**

**EE RESUME OPEN QUESTIONS**

17. Cat. 900 Q. What type of farriers' hammer is used for making and shaping shoes?

A. Rounding Hammer

S. Evans, p. 728

18. Cat. 200 Q. Prior to 1908, the Arabian and Anglo-Arab were registered with what breed association?

A. The American Jockey Club

S. Evans, p. 17

19. Cat. 100 Q. At the age of 20, what is the shape of a horse's permanent middle incisor?

A. Triangular

S. CAHA, p. 48

**FF. TOSS-UP QUESTION – BONUS ATTACHED**

20. Cat. 500 Q. Two Part Question: Name four ways mares are classified, and explain each classification.

A. Barren = mare that has been bred, but has never been pregnant  
In-foal = pregnant, carrying a foal  
Lactating = nursing a foal  
Maiden = mare that has never been bred  
Open = mare that is currently not in foal, has not been bred this season, but has produced  
a foal in a previous season

S. FCH, p. 230 & Evans, p. 323

**ROUND 9**

**PAGE 6**

**GG. BONUS QUESTION**

21. B-700 Q. Give (4) advantages of using a complete pelleted feed.
- A. Decreased feed waste  
Economy of storage space  
Better feed efficiency  
Decreased colic incidence in older horses  
Contains all vitamins – no sifting out
- Easier to transport  
Reduced dust  
Beneficial for horses w/ poor teeth
- S. Evans, p. 280

**HH. RESUME OPEN QUESTIONS**

22. Cat. 400 Q. Two Part Question: What are “guard hairs”, and where are they commonly found?
- A. Long, individual hairs that often mix with the dense undercoat of the horse  
Usually seen on the underside of the belly, underside of jaw and neck,  
between cheeks of the buttock
- S. Evans, p. 129
23. Cat. 1000 Q. What part of the English saddle rests on the horse’s back?
- A. The panel
- S. HH, p. 1100-2
24. Cat. 800 Q. Acorns produce what plant toxin?
- A. Tannic Acid
- S. FCH, p. 303

**ROUND 9**  
**PAGE 7**

25. Cat. 900 Q Two Part Question: What is the minimum height for an indoor arena and why is a higher ceiling more desirable?
- A 14 feet minimum – the higher the ceiling, the better lit the area will be with fewer shadows
- S HIH, p. 320-7
- II. TOSS-UP QUESTION – BONUS ATTACHED
26. Cat. 600 Q What type of walk is based on the following description? The rear feet overreach the prints of the front feet. The head and neck are extended. Typically, the head and neck nods up and down twice during each stride but the topline remains level, as there is no lift since there is no suspension phase and the weight is evenly distributed on the stance legs.
- A Extended Walk
- S Evans, p. 172
- JJ. BONUS QUESTION
27. B-800 Q Give four possible causes of anemia.
- |   |                    |                            |
|---|--------------------|----------------------------|
| A | Excessive Bleeding | Dietary Deficiency         |
|   | Infection          | Presence of Toxins in Body |
|   | Chronic Disease    | Lack of Iron               |
|   | Parasitism         | Incompatible Rh factor     |
- S FCH, p. 380
- KK. RESUME OPEN QUESTIONS
28. Cat. 800 Q What is the proper term for a small sac or blister containing liquid?
- A Vesicle, Vesicular or Cyst
- S FCH, p. 408

**ROUND 9**  
**PAGE 8**

29. Cat. 400 Q. Name three areas of the horse's body where it readily sweats.
- A. Base of the Ears Flank  
Chest Neck  
(**NOT** the back)
- S. Evans, p. 129
30. Cat. 600 Q. How many beats are in the gait referred to as the "Stepping Pace"?
- A. Four (NOT two – it is a lateral gait, but because of the higher action of the front limb, the hind foot hits the ground before the front foot on the same side)
- S. Evans, p. 178
31. Cat. 200 Q. Name two American breeds of horse that have two distinct types based on gait.
- A. Standardbred = Trotters & Pacers  
American Saddlebred = 3-Gaited & 5-Gaited
- S. Evans, p. 28 & 37
- LL. LAST QUESTION IN MATCH
32. Cat. 900 Q. If the hayrack is too high for the horse eating from it, what are two problems that may occur?
- A. -Foreign material getting into the eyes  
-Increased dust inhalation  
-Respiratory problems
- S. FCH, p. 149
- MM. END ROUND NINE



## 2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

### Round 10

#### BEGIN ONE-ON-ONE

1.     Cat. 300     Q.     In a wall-eyed horse, what structure of the eye is light blue or hazel in color?

                      A.     Iris

                      S.     Evans, p. 82
  
2.     Cat. 800     Q.     What type of shoe transfers the horse's weight to the frog?

                      A.     Heart bar shoe

                      S.     AYHCLM, p. I 231-3L
  
3.     Cat. 200     Q.     What color pattern is not permitted in the Welsh Pony breed?

                      A.     Pinto/spotted pattern

                      S.     Evans, p. 61
  
4.     Cat. 800     Q.     Which condition causes clouding of the eye lens, and may result in blindness?

                      A.     Cataracts

                      S.     HH, p. 1060-5

**ROUND 10**  
**PAGE 2**

5. Cat. 500 Q. After what age does a mare's reproductive ability start to decrease?  
A. 15 - 18 years of age  
S. HH, p. 940-1
6. Cat. 1000 Q. What piece of equipment is used in conjunction with a packsaddle to prevent it from sliding forward?  
A. Breeching (NOT crupper – generally not used on a pack saddle, only riding saddle and harness)  
NN. HH, p. 1125-2
7. Cat. 600 Q. Which gait is synonymous with the Slow Gait?  
A. Stepping Pace  
S. Evans, p. 178
8. Cat. 600 Q. Which gait is faster, the trot or the pace?  
A. Pace  
S. Evans, p. 175

**ROUND 10**

**PAGE 3**

9. Cat. 100 Q Which color breed cannot breed true? On the average, it will not reproduce more than half its offspring having its own color.
- A The Indians from the South East (Georgia) area
- S Evans, p. 8
10. Cat. 800 Q Which virus causes Rhinopneumonitis?
- A Equine Herpes virus
- S FCH, p. 171
11. Cat. 400 Q To which side of the heart does blood return from the body?
- A Right side
- S AYHCLM, p. B 119-1L
12. Cat. 400 Q The long pastern, cannon and sesamoid bones comprise what joint of the horse?
- A The fetlock joint
- S CAHA, p. 14

**END ONE-ON-ONE**

## ROUND 10

PAGE 4

### BEGIN OPEN QUESTIONS

13. Cat. 900 Q To ensure that a racehorse is free of forbidden substances, a racing chemist can test which three body fluids of the horse?
- A Blood  
Saliva  
Urine
- S. Evans, p. 141
14. Cat. 300 Q On which breed of horse could you find a "blue zone"?
- A Paint
- S. HH, p. 159-2

### TOSS-UP QUESTION – BONUS ATTACHED

15. Cat. 800 Q When would "silver nitrate" be used on a horse?
- A When a horse is injured to aid in blood clotting and control hemorrhage
- S. HH, p. 440-2

### BONUS QUESTION

16. B-800 Q Name four factors, which may affect healing of a wound.
- A Blood supply to the wound  
Associated soft tissue damage such as bruising & hematomas  
Skin temperature  
Availability of loose connective tissue to allow wound closure  
Size of Wound  
Incorrect wound care  
Infection  
Diseases
- S. HH, p. 440-5

## ROUND 10

### PAGE 5

#### RESUME OPEN QUESTIONS

17. Cat. 500 Q The gestation period of a mare carrying a horse foal is approximately how many days shorter than it would be if she were carrying a mule fetus?
- A 10 days
- S Evans, p. 343 & 344
18. Cat. 600 Q Two Part Question: Soundness can be classified two ways. Give both ways, and explain how they differ.
- A Breeding Soundness – A genetic defect may cause an unsoundness for breeding, but the horse may be useful to work.  
Working Soundness – A defect that does not permit the horse to be worked, but it would still be a desirable horse to breed since the defect would not be passed on.
- S Evans, p. 157
19. Cat. 800 Q Name four (4) plants that induce excessive salivation in the horse.
- A
- |                              |                     |
|------------------------------|---------------------|
| Azalea                       | Poison Hemlock      |
| Bristle Grass                | Red Clover          |
| Buttercup                    | Russian Thistle     |
| Death Camas                  | Water Hemlock       |
| Foxtail Barley/Bearded       | White Snakeroot     |
| Grass awns from wheat or rye | Yellow Star Thistle |
| Laurel                       |                     |
- S FCH, p. 301

#### TOSS-UP QUESTION – BONUS ATTACHED

20. Cat. 100 Q Two Part Question: What is meant by the term “cob-tail” and where is it commonly seen?
- A The practice of docking a horse’s tail to a 6-inch length  
Seen in the Hackney and draft horse breeds
- S Evans, p. 64

## ROUND 10

### PAGE 6

#### BONUS QUESTION

21. B-800 Q. Name four things that can cause urticaria, wheals, plaques, hives or protein bumps?
- A. An allergic response to a specific protein in feed  
Drugs  
Inhaled pollens or chemicals  
Insect bites  
Insecticides (fly spray)  
Internal parasites  
Vaccines
- S. FCH, p. 16

#### RESUME OPEN QUESTIONS

22. Cat. 900 Q. What is the condition score for the horse being described? Prominent crease down the back. Difficult to feel ribs. Fat around tailhead very soft. Area along withers filled with fat. Area behind shoulder filled in flush. Noticeable thickening of neck. Fat deposited along inner buttocks.
- A. Score of (8)
- S. Evans, p. 269
23. Cat. 200 Q. An influx of which breed can be seen in the American type of Shetland pony?
- A. Hackney
- S. Evans, p. 58
24. Cat. 1000 Q. Give three advantages of a saddle made from synthetic materials.
- A. Cheaper to purchase  
Light weight  
Easier to clean and maintain than leather
- S. HH, p. 1100-3

## ROUND 10

### PAGE 7

25. Cat.700 Q. Two Part Question: What is "Rumensin", and how is it associated with horses?
- A. Rumensin is a feed additive used to increase feed efficiency and weight gain in cattle. It should not be associated with horses, as it is highly toxic to them.
- S. FCH, p. 361

### TOSS-UP QUESTION – BONUS ATTACHED

26. Cat. 800 Q. Give three indications that a horse has an infected cheek tooth?
- A. -Slow eating/chewing  
-Progressive unthriftiness  
-Quidding  
-Shaking or Tilting of Head  
-Swelling of the face or jaw  
-Draining tracks and nasal discharge
- S. HH, p. 405-3

### BONUS QUESTION

27. B-800 Q. Name four of the most common signs that a horse has Lyme Disease.
- |    |                       |                        |
|----|-----------------------|------------------------|
| A. | Arthritis             | Lameness               |
|    | Dermatitis            | Neurological disease   |
|    | Difficulty swallowing | Paralysis of the tail  |
|    | Fever                 | Profuse sweating       |
|    | Glazed eyes           | Wandering aimlessly    |
|    | Head tilt             | Uveitis (eye disorder) |
|    | Joint swelling        |                        |
- S. HH, p. 655-1,2

### RESUME OPEN QUESTIONS

28. Cat. 400 Q. Which bone in the horse's body is the heaviest and strongest?
- A. Femur
- S. Evans, p. 687

**ROUND 10**

**PAGE 8**

29. Cat. 600 Q Name three deviations in the flight of the foot.

A Dishing (Winging-in) Rolling  
Paddling (Winging-out) Rope Walking  
Pounding Trappy

S Evans, p. 181

30. Cat. 700 Q Lactation increases the energy requirements of a mare above maintenance by what percentage?

A 50 – 70%

S Evans, p. 218

31. Cat. 400 Q Give two other terms for the “baby teeth” of a foal.

A First or temporary teeth, milk teeth, deciduous teeth

S Evans, p. 92

**LAST QUESTION IN MATCH**

32. Cat. 800 Q At what time of the year is Yellow Star Thistle a concern when ingested by horses?

A Late Summer and into Fall

S Evans, p. 309 & FCH, p. 318

**END ROUND TEN**



2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

**TIE-BREAKERS #1**

1.     Cat. 100     Q.     At what age do Thoroughbred horses compete for the Triple Crown?

                         A.     Three years old

                         S.     Evans, p. 28
  
2.     Cat. 500     Q.     In months, what is the gestation period of the Rangerbred ?

                         A.     Eleven months

                         S.     HH, p. 940-2
  
3.     Cat. 300     Q.     What is the normal color of a horse's eye?

                         A.     Brown

                         S.     Evans, p. 82
  
4.     Cat. 700     Q.     What is the only mineral that horses have a defined appetite for?

                         A.     Salt or Sodium Chloride

                         S.     FCH, p. 75
  
5.     Cat. 400     Q.     "Sharp, prominent and well-defined," ideally describe what part of the horse?

                         A.     Withers

                         S.     HH, p. 220-6



## **2001 Eastern National 4-H Horse Round-Up Round 1**

### **Begin One-On-One**

1.      Cat. 800      Q.      What disease is characterized by swollen or abscessed lymph glands, particularly those under or behind the jaws?

1.      Stangles or Distemper

S.      FCH, p. 405 & Equus Glossary 286 & AYHCLM, P. B 104-3L
  
2.      Cat. 200      Q.      Which breed of horse is known for its=ability to gain speed in a matter of seconds over short distances?

1.      American Quarter Horse

19.      AYHCLM, P. 110-2L
  
3.      Cat. 100      Q.      What is the term for an immature female horse?

1.      Filly

19.      FCH, p. 389 & Evans, p. 322
  
4.      Cat, 600      Q.      What is the name for the conformation defect wher the upper teeth extend beyond the lower teeth?

1.      Parrot Mouth

19.      Evans, p.

## Round 1 - Page 2

5. Cat. 900 Q. What is a dry lot?

1. A paddock or exercise area devoid of vegetation or edible plants.

19. FCH, p. 387

6. Cat.300 Q. What is the term for a small patch of white hair located between a horse's eyes?

1. Star

S. Evans, p. 82 & CAHAM p-4

7, Cat. 700 Q. What is sweet feed?

1. A grain mix that contains molasses.

19. FCH,m p. 405

8. Cat. 800 Q. What is the term used for a localized collection of pus in the tissues of the body, often accompanied by swelling and inflammation?

1. Abscess

19. FCH, p. 380

**Round 1 - Page 3**

9. Cat. 400 Q. What is the final part of the horse's digestive track?
1. Rectum
  19. AYHCLM, P. B103-1L & CAHA, p 52
10. Cat. 500 Q. During what time period are most foals born?
1. During the night.
  19. AYHCLM, p B112-2L
11. Cat, 900 Q. A horse that resists being ridden away from the barn is considered to be what?
1. Barn-Sour
  19. FCH, p. 382
12. Cat. 400 Q. What is the name for the soft, spongy wedge-shaped structure on the bottom of the horse's foot?
1. Frog
  19. Evans, p. 693 & CAHA, p. 24

**Round 1 - page 4**

13. Cat. 200 Q. What is the result of breeding a horse to a donkey?  
A. A mule  
S. Evans, p. 76
14. Cat. 600 Q. What is the name for the part of the horse located at the junction of the neck and back?  
A. Withers  
S. AYHCLM p. I223-2L
15. Cat. 30 Q. Be specific. A red dorsal strip appears with which coat color?  
A. (only need to give one) Red dun, Claybank dun or Apricot dun.  
S. Evans, p. 81
16. Cat. 900 Q. How do horses naturally stay warm during the winter?  
A. By trapping body heat between the hair fibers of the coat.  
S. AYHCLM, p. B104- 1L

**End One-On-One**

## Round 1 - Page 5

### Begin Open Questions

17. Cat. 1000 Q. What is the name for the piece of equipment that is used to clean out a horse's foot?
- A. Hoof pick
- S. Evans, p. 722
18. Cat. 900 Q. What is a ~~A~~green horse?
- A. An inexperienced or newly trained horse
- S. FCH, p. 391

### Toss-Up Question - Bonus Question Attached

19. Cat. 800 Q. What is the term for the condition when a horse's foot may become smaller at the bottom or ground surface than at the top of the foot?
- A. Contracted heels
- S. FCH, P. 392

### Bonus Question

20. Cat. 500 Q. Name the parts of the reproductive tract of the mare.
- A. Vulva, vagina, cervix, uterus, oviducts & ovaries
- S. HIH, p. 910-1

### Round 1 - page 6

21. Cat. 400 Q. What is the Anandible?
- A. The lower jawbone
- S. Equus Glossary 287 & CAHA, p. 41
22. Cat. 800 Q. What is the term for a condition of increased sensitivity to a specific protein, which may result in a rash, hives, sneezing or respiratory difficulties?
- A. Allergy
- S. FCH, p. 380

### Toss-Up Question - Bonus Question Attached

23. Cat. 700 Q. What feed additive is commonly used to reduce dust and increase palatability of a feed?
- A. Molasses
- S. HIH, p. 760-7

### Bonus Question

24. Cat. 700 Q. Name three different types of grass forage.
- A. Bermuda Grass      Reed Canary  
Blue Grass              Sudan Grass  
Brome Grass           Tall Fescue  
Orchard Grass        Timothy
- S. AYHCLM, p. B102-1L



### Round 1 - Page 7

25. Cat. 600 Q. What is the term for the distance between successive imprints of the same foot?
- A. Stride
- S. FCH, p. 405
26. Cat. 100 Q. What is the term for a horse that is wild, or existing in a natural, non-domesticated state?
- A. Feral
- S. FCH, P. 389

### Toss-Up Question - Bonus Question Attached

27. Cat. 700 Q. What type of forage is prone to make horses slobber a great deal?
- A. Clover forage
- S. HIH, p. 750-3

### Bonus Question

28. Cat. 900 Q. Name four flight or fight vices of the horse.
- A. Inappropriate Lunging      Bolting  
Aggression      Biting/Nipping  
Exaggerated Alarm Reaction      Kicking  
Shying      Balking  
Startle Reaction      Striking  
Crowding      Snapping  
Rearing
- S. FCH, p. 376

### Round 1 - Page 8

29. Cat. 500 Q. What is the general term for the substance emitted by a stallion during the breeding of a mare?
- A. Seminal Fluid, Semen
- S. Evans, p. 365
30. Cat. 1000 Q. Bits are classified as three basic types. What are they?
- A. Snaffle, Curb, Hackamore.
- S. AYHCLM, P. B108-2L
31. Cat. 800 Q. What is an anthelmintic?
- A. A dewormer
- S. FCH, p. 381 & Equus Glossary 285

### Last Question in Match

32. Cat. 900 Q. To what direction should the open side of a three-sided shelter face?
- A. Away from the prevailing winds
- S. AYHCLM, p. B104-1L

## 2001 Eastern National 4-H Horse Round-Up Round 2

### Begin One-On-One

1.      Cat. 800      Q.      What are the milk teeth?  
A.      The deciduous, baby or temporary teeth  
S.      FCH, p. 396
  
2.      Cat. 1000      Q.      What is the main function of a headstall?  
A.      To hold the bit evenly and comfortably in the horse's mouth.  
S.      HIH, p. 1100-6
  
3.      Cat. 600      Q.      What is the term for a neck that is convex in shape?  
A.      Ewe-neck  
S.      AYHCLM, I223-2L
  
4.      Cat. 100      Q.      For what purpose was man's earliest use of the horse?  
A.      For food or transportation  
S.      Evans, p. 5

**Round 2 - page 2**

5. Cat. 900 Q. What is the term for the action when a horse lashes out with a front leg when mad?
- A. Striking
- S. FCH, p. 382
6. Cat. 100 Q. What is the term for male horses that has been castrated?
- A. Gelding
- S. FCH, p. 390
7. Cat. 500 Q. How does a ~~A~~healthy foal normally sleep?
- A. On its side
- S. AYHCLM, p. B112-2L
8. Cat. 900 Q. When used in regard to horses, this term indicates dominance hierarchy or order of dominance.
- A, Pecking Order
- S. FCH, p. 399

**Round 2 - page 3**

9. Cat. 1000 Q. What is the general term for all of the leather equipment used to ride and/or drive a horse?
- A. Tack
- S. AYHCLM, p. B 108-iL
10. Cat 700 Q. What is the most economical source of supplemental protein for horses?
- A. Soybean meal
- S. AYHCLM, p. B102-1L
11. Cat. 200 Q. What breed characteristically has vertically striped hooves?
- A. Appaloosa
- S. HH, p. 104-1
12. Cat. 500 Q. Where is the stallion's sperm produced?
- A. Testes or Testicles
- S. Evans, p. 355

**Round 2- page 4**

13. Cat. 400 Q. Where is the hoof wall thickest?  
A. At the toe  
S. AYHCLM, p . B106-iL
14. Cat. 800 Q. In reference to horses, what is meant by the term ~~A~~bloom~~≡~~?  
A. A glossy, healthy looking hair coat  
S. FCH, p. 382
15. Cat. 800 Q. Where on the horse do ~~A~~ot eggs ~~≡~~hatch?  
A. In the horse-~~s~~ mouth  
S. FCH, p. 382
16. Cat. 400 Q. What part of the horse lies between the knee and the fetlock?  
A. Cannon  
S. Evans, p. 142 & CAHA, p-1

**End One-On-One**

## Round 2 - page 5

### Begin Open Questions

17. Cat. 800 Q. What is the slang term for a horse that bleeds from the lungs due to strenuous physical exertion?
- A. Bleeder
- S. FCH, p. 382
18. Cat 600 Q. What are the three natural gaits of the horse?
- A. Walk, Trot, Gallop (**NOT Canter**)
- S. Evans, p. 172

### Toss-Up Question - Bonus Question Attached

19. Cat. 700 Q. What is considered to be the ~~A~~building blocks of protein?
- A. Amino Acids
- S. AYHCLM, p. B102-1L

### Bonus Question

20. Cat. 200 Q. There are many breeds of ponies. Name four.
- A. American Sport Pony                      Hackney  
Americana                                      New Forest  
Chincoteague                                  POA  
Connemara                                      Quarter Pony  
Dale    Shetland  
Dartmore                                        Trottingbred  
Exmoor    Walking Pony  
Fell    Welsh  
Gotland
- S. Evans, p. 58-67

## Round 2 - Page 6

21. Cat. 900 Q. What is the term for the type of shoeing job when the farrier uses the same set of shoes for a second time?
- A. Re-Set or Re-Shod
- S. Evans, p. 742
22. Cat. 500 Q. What is the common term for eversion of the vulva?
- A. Winking
- S. HIH, p. 910-1

### Toss-Up Question - Bonus Question Attached

23. Cat. 400 Q. What is the structural basis for the ears and nostrils?
- A. Cartilage
- S. Equus Glossary 285, 288

### Bonus Question

24. Cat. 900 Q. Name four qualities of a good stall floor.
- A. Durable Material  
Non-Slip Material  
Absorbent Material  
Easy to Clean  
Resistant to pawing
- S. AYHCLM, p. B107-2L



**Round 2 - Page 7**

25. Cat. 200 Q. Name two feral breeds of horse or pony native to the United States?  
A. American Mustang & Chincoteague Pony  
S. Evans, p. 55
26. Cat. 400 Q. Which part of the horse's digestive tract has the largest capacity?  
A. Large Colon (86 quarts)  
S. AYHCLM, p. B103-1L

**Toss-Up Question - Bonus Question Attached**

27. Cat. 700 Q. In reference to hay, what part of the plant is the least digestible for a horse?  
A. The stems.  
S. HIH, p. 750-4

**Bonus Question**

28. Cat. 900 Q. Name three stimuli that trigger the response of shivering.  
A. Cold, Fear, Excitement  
S. FCH, p. 403

## Round 2 - Page 8

29. Cat. 600 Q. What is the general term for the physical appearance of an animal due to the arrangement of muscle, bone and other body tissue?
- A. Conformation
- S. HIH, p. 220-1
30. Cat. 300 Q. What color horse has black points and a yellowish coat color?
- A. Buckskin or Dun
- S. Evans, p. 82
31. Cat. 900 Q. How should a bumper-pull trailer hitch be properly mounted on the towing vehicle?
- A. It should be bolted and welded to the vehicle frame not just the bumper.
- S. AYHCLM, p. B101-1L

### Last Question in Match

32. Cat. 1000 Q. What is the Non-leverage bit?
- A. A bit that does not apply pressure to the poll
- S. AYHCLM, p. B108-3L

**End Round 2**

**2001 Eastern National 4-H Horse Round-Up**  
**Round 3**

**Begin One-On-One**

1.      Cat. 400      Q.      If a horse is experiencing Arenal failure, what part of the horse's body is not functioning properly?

A.      The kidneys

S.      FCH, p. 401
  
2.      Cat. 900      Q.      What is one thing should NEVER be allowed in a barn?

A.      Smoking

S.      AYHCLM, p. B113-2L
  
3.      Cat. 100      Q.      What is the term for the person who rides a horse in a race?

A.      Jockey

S.      Evans, p. 21
  
4.      Cat. 500      Q.      At what age are foals normally weaned?

A.      4 to 6 months of age

S.      AYHCLM, p. B112-2L

**Round 3 - Page 2**

5. Cat. 600 Q. What are Aoop-ears?
- A. Horse's ears that are positioned on the side of the head.
- S. HIH, p. 220-3
6. Cat. 900 Q. Shipping wraps should cover what part of the horse's legs?
- A. Extend from the knee or hock downward, including the coronary band.
- S. AYHCLM, p. B101-2L
7. Cat. 400 Q. What is the name for the bone shaped like a miniature hood?
- A. Coffin Bone
- S. Equus Glossary 283, 286, 287, 288, & AYCHLM, p. B106-3L
8. Cat. 200 Q. What is the most common breed of draft horse in the United States?
- A. Belgium
- S. AYHCLM, p. B110-1L

**Round 3 - page 3**

9. Cat. 800 Q. What is the general term for inflammation of the skin?  
A. Dermatitis  
S. FCH, p. 387
10. Cat. 500 Q. In what part of the mare's reproductive tract does the fetus develop?  
A. Uterus  
S. Evans, p. 316
11. Cat. 900 Q. What type of knot should a horse always be tied with?  
A. Safety or quick-release knot  
S. AYHCLM, p. B118-1L
12. Cat. 700 Q. What is the most common legume fed to horses?  
A. Alfalfa  
S. Evans, p. 255

**Round 3 - Page 4**

13. Cat. 1000 Q. What part of a bit enables it to be clasified as a ~~A~~verage bit?
- A. The shanks
- S. AYHCLM, p. B108-3L
14. Cat. 100 Q. Give two other terms for the right side of the horse.
- A. Far-side or Off-side
- S. FCH,p. 389
15. Cat. 900 Q. What is the name of the tool that farriers use to bend over the end of a horse show nail?
- A. Clincher
- S. Evans, p. 728
16. Cat. 400 Q. During what time of the year is hoof growth greater?
- A. During the warmer months of the year
- S. AYHCLM, p. B106-2L

**End One-on-One**

### Round 3 -Page 5

#### Begin Open Questions

17. Cat. 600 Q. What is the term for the junction between the head and neck that reaches from ear to ear?
- A. Throatlatch
- S. HHH, p. 220-5
18. Cfat. 300 Q. The hair coat of the foal will be a solid color, but with each consecutive hair coat, more white hairs will be added until what color becomes evident?
- A. Gray
- S. Evans, p.81

#### Toss-Up Question - Bonus Question Attached

19. Cat. 700 Q. At what height should a hay net be hung?
- A. At eye height of the horse
- S. HHH, p. 710-5

#### Bonus Question

20. Cat. 900 Q. When choosing a vehicle to pull a horse trailer, name four factors that should be considered.
- A. Truck size (2 , 3/4, 1-ton)      Engine size  
Single wheel vs. dual wheel      Brake system  
Electrical system      Type of hitch  
Tire size      Ball size

S. AYHCLM, p. B101-1L



### Round 3 - Page 6

21. Cat 800. Q. What is the normal amount of time for capillary perfusion to return during a capillary refill test?
- A. 3 seconds or less
- S. FCH, p. 384 & AYHCLM, p. B104-2L
22. Cat. 1000 Q. What is the main purpose of a noseband?
- A. To keep the horse's mouth shut.
- S. HH, p. 1100-6

### Toss-Up Question - Bonus Question Attached

23. Cat. 800 Q. What is the term for a chemical substance produced by fungi or mold that inhibit or destroy bacteria or other micro-organisms, and are used primarily in the treatment of infectious diseases?
- A. Antibiotic
- S. FCH, p. 381 & Eequus Glosary 283

### Bonus Question

24. Cat. 400 Q. The skin is a vital part of the horse's body. Name four functions of the skin.
- A. Protective barrier to living, chemical & physical agents  
Provides sensory information  
Flexible support  
Control of water loss  
Immunologic responses  
Regulation of blood pressure  
Control of body temperature

S. CAHA , p. 5

**Round 3 - Page 7**

25. Cat. 900 Q. Explain the difference between bolting and shying?
- A. Bolting - horse goes forward  
Shying - horse goes to the side.
- S. FCH, p. 382
26. Cat. 200 Q. In reference to the evolution of the breed, why is it believed that for their body size, Arabian horse have large hooves?
- A. It enabled them to travel more easily over desert sands.
- S. HIH, p. 150-1

**Toss-Up Question - Bonus Question Attached**

27. Cat. 600 Q. Define ~~Un~~soundness.
- A. Any deviation in structure of function that interferes with the horse's intended use or performance.
- S. HIH, p. 230-1

**Bonus Question**

28. Cat. 700 Q. Name four ways corn can be fed to horses.
- A. Cracked                      Rolled                      Crimped  
Shelled                      Ear Corn                      Whole  
Ground
- S. AYHCLM, p. B102-1L

### Round 3 - Page 8

29. Cat. 1000 Q. What is the purpose of a back cinch on a roping saddle?  
A. To prevent the saddle from flipping forward  
S. AYHCLM, p. B108-2L
30. Cat. 800 Q. The presence of an above normal amount of water in the feces is referred to as what?  
A. Diarrhea  
S. FCH, p. 387
31. Cat. 900 Q. What is the minimum recommended size of a box stall?  
A. 10' x 10'  
S. AYHCLM, p. B107-2L

### Last Question in Match

32. Cat. 400 Q. What is the term for the base of a horse's tail?  
A. Dock of the tail  
S. Evans, p. 142 & CAHA, p. 1

### End Round 3

**2001 Eastern National 4-H Horse Round-Up  
Round 4**

**Begin One-On-One**

1.     Cat. 700     Q.     Two part question. How should concentrate feeds be measured for horses and give an example why.

                      A.     They should be measured by weight, not volume. A Acoffee can≡of oats will weight less than a Acoffee can≡of corn, Concentrates weigh different amounts.

                      S.     HIH, p. 710-6
  
2.     Cat. 400     Q.     What bone is located between the cannon bone and the short pastern bone?

                      A.     Long pastern bone

                      S.     AYHCLM, p, B106-3L & CAHC, p. 12
  
3.     Cat. 1000    Q.     Explain the difference between a ASplit Ear≡bridle and a ASlip Ear≡bridle.

                      A.     Split Ear - the crown piece is split allowing one ear to pass through the crown piece.  
                              Slip Ear - a small loop designed to go around one ear is added to the crown piece

                      S.     AYHCLM, p. B108-2L
  
4.     Cat. 800     Q.     When a horse does not eat with a normal healthy appetite, it is said to be what?

                      A.     Off its=feed

                      S.     FCH, p. 398

**Round 4 - Page 2**

5. Cat. 200 Q. Name two breeds of draft horse that are commonly seen with feathered legs.
- A. Clydesdale & Shire
- S. Evans, p. 72
6. Cat. 900 Q. When a saddled horse stands with its back pushed or bowed upward, what may this indicate?
- A. That the horse is going to buck when the rider mounts.
- S. FCH, p. 383
7. Cat. 500 Q. What is the preferred bedding for a foaling stall?
- A. Straw = bright & clean
- S. AYHCLM, p. I230-3L
8. Cat. 400 Q. In the ideal hoof which part supports most of the horse's weight?
- A. The hoof wall
- S. AYHCLM, p. B106-1L

### Round 4 - Page 3

9. Cat. 600 Q. What bone does ~~A~~ing-bone ~~≡~~ affect?  
A. The Pastern Bone  
S. HHH, p. 230-4
10. Cat. 400 Q. What is the term for the horny growth found at the back of the fetlock?  
A. Ergot  
S. Evans, p. 128 & CAHA, p. 4
11. Cat. 800 Q. In general terms, what is ~~A~~ncephalitis ~~≡~~?  
A. Inflammation of the brain  
S. Equus Glossary 283
12. Cat. 400 Q. What is the term for the convex profile of a horse's face?  
A. Roman Nose  
S. Evans, p. 141

**Round 4 - Page 4**

13. Cat. 1000 Q. What is the proper name for the bump in the middle of the mouthpiece on a curb bit?
- A. Port
- S. AYHCLM, p. b108-3L
14. Cat. 500 Q. What is a wet mare?
- A. A mare that is nursing a foal
- S. HIH, p. 940-1
15. Cat. 400 Q. What part of the horse is similar in nature to a human's finger prints.
- A. The Chestnuts
- S. Evans, p. 688- & CAHA, p.4
16. Cat. 600 Q. What is the term for a horse with too much angle in the hock joint?
- A. Sickie-hocked
- S. HIH, p. 230-7

**End One-On-One**



## Round 4 - Page 5

### Begin Open Questions

17. Cat. 900 Q. On what side of a horse's tooth do points develop?
- A. On the cheek side of the teeth
- S. CAHC, p. 48
18. Cat. 500 Q. What is the purpose of a Caslick Operation?
- A. To seal the vulva, thus preventing air and debris from being sucked into the internal reproductive tract of the mare.
- S. HIH, p. 910-1

### Toss-Up Question - Bonus Question Attached

19. Cat. 100 Q. Explain the difference between a herbivore and a carnivore.
- A. Herbivore - animal that prefers to eat plant materials  
Carnivore - animal that prefers to eat animal tissues (Meat)
- S. Fch, p. 392

### Bonus Question

20. Cat. 600 Q. What are the four steps in a systematic approach to evaluating a horse's conformation?
- A. 1 - Watch the horse move for soundness structural deviation and way-of-going  
2 - View from the profile  
3 - View from the front  
4 - View from the rear
- S. HIH, p. 220-1

#### Round 4 - Page 6

21. Cat. 1000 Q. How much room should be allowed on either side of the widest part of a rider's foot in an English stirrup?
- A. 1/4 inch
- S. AYHCLM, p. B108-1L
22. Cat. 400 Q. What is the name for the transparent membrane forming the front part of the eyeball of the horse?
- A. Cornea
- S. Equus Glossary 28., 287

#### Toss-Up Question - Bonus Question Attached

23. Cat. 700 Q. Give two purposes of pasture land.
- A. Nutrition                      Exercise
- S. HIH, p. 730-1

#### Bonus Question

24. Cat. 800 Q. There are four types of hock Spavin. Name them.
- A. Blind/Occult                      Blood spavin  
Bog spavin                      Bone/True/Jack
- S. FCH, p. 404

### Round 4 - Page 8

29. Cat. 800 Q. What is meant by the phrase **A** horse is full-mouthed?
- A. That the horse has all of its permanent teeth - 5 years of age
- S. FCH, p. 390 & AYHCLM, p. B105-1L
30. Cat. 900 Q. In reference to race horses, what is the difference between a **A**reeze and a **A**blowout?
- A. Breeze - an easy workout  
Blowout - a short, usually 3 to 4 furlongs, fast run
- S. FCH, p. 382
31. Cat. 100 Q. Name three different types of horse racing.
- A. Flat Racing Steeplechasing Harness Racing
- S. Evans, p. 20-225 & 28-31

### Last Question in Match

32. Cat. 900 Q. What two responses does a horse have to fear?
- A. Fight or flight
- S. FCH, p. 376

### End Round 4

## Begin One-On-One

- |    |          |    |   |
|----|----------|----|---|
| 1. | Cat. 900 | Q. | A horse that objects to being girthed-up is referred to as what?                                    |
|    |          | A. | Cinch-bound, Girth-Bound, Cold-backed   |
|    |          | S. | FCH,p. 385  |
| 2. | Cat. 400 | Q. | What is the primary function of the sole of the foot?   |
|    |          | A. | Protection  |
|    |          | S. | AYHCLM, p. B106-1L  |
| 3. | Cat. 400 | Q. | What do the sebaceous glands in the prepuce of a stallion produce?                                  |
|    |          | A. | A sebum termed smegma   |
|    |          | S. | CAHA, p. 5  |
| 4. | Cat. 800 | Q. | What is the term for the condition in which water is lost from the body faster than it is taken in? |
|    |          | A. | Dehydration   |
|    |          | S. | Equus Glossary 283  |

## Round 5 - Page 2

5. Cat. 700 Q. What is a Macromineral?
- A. A mineral that is needed in large quantities?
- S. FCH, p. 395
6. Cat. 1000 Q. The first thing to keep in mind about a western saddle is that it needs to fit your horse properly, especially in what area of the horse?
- A. Across the withers
- S. AYHCLM, p. B108-1L
7. Cat. 700 Q. Give three ways to discourage a horse from bolting its grain?
- A. 1 - Place softball size rocks into the feeder that the horse has to work around.  
2 - Spread the feed out in a long, shallow feeder so horse can only get a little grain at a time  
3 - Feeding extruded feeds  
4 - Mixing grains with chopped hay
- S. HIH, p. 710-8
8. Cat. 600 Q. Describe a Bench knee
- A. When the cannon bone is set too far to the outside of the knee
- S. HIH, p. 230-3

### Round 5 - Page 3

9. Cat. 500 Q. What is the term for the exterior opening to the reproductive vanak of the mare?
- A. Vulva
- S. HIH, p. 910-1
10. Cat. 600 Q. What is the term used to describe a horse that has too much slope to its pasterns?
- A. Coonfooted
- S. AYHCLM, p. I223-2L
11. Cat. 900 Q. What is meant by the term ~~A~~easy keeper~~?~~
- A. A horse that requires less feed than other under a similar situation
- S. FCH, p. 388
12. Cat. 700 Q. What is meant by the term ~~A~~orage quality~~?~~
- A. Characteristics of a hay that affect consumption and nutritional value.
- S. HIH, p. 750-2

**Round 5 - Page 4**

13. Cat. 900 Q. When traveling long distances, how often should a horse be offered water?  
A. Every 3 - 4 hours  
S. AYHCLM, p, A302-2L
14. Cat. 1000 Q. In what type of event are Rubber reins commonly used?  
A. Racing, Cross-country, Jumping, Steeple Chasing  
S. AYHCLM, p. B108-2L
15. Cat. 800 Q. Where is a subcutaneous shot administered?  
A. Under the skin  
S. FCH, p. 405
16. Cat. 200 Q. What tribe of American Indians is noted for breeding Appaloosa horses?  
A. The Nez Perce  
S. HIH, p. 1580-1

**End One-On-One**

## Round 5 - Page 5

### Begin Open Question

17. Cat. 200 Q. More than 60% of this breed of racehorse is bay in color. Which breed am I talking about?
- A. Standardbred
- S. AYHCLM, p. B110-2L
18. Cat. 500 Q. In what part of the stallions reproductive tract do sperm undergo modifications or maturation?
- A. Epididymis
- S. HH, p. 920-4

### Toss-Up Question - Bonus Question Attached

19. Cat. 600 Q. What is the term for the point on the front edge of the hoof where it last touches the ground at liftoff for each step?
- A. Breakover point
- S. Equus Glossary 284

### Bonus Question

- 20 Cat. 800 Q. Name four species of flies that are pests of horses.
- A. Black Fly                      Horn Fly                      Bot Fly  
Horse Fly                      Deer Fly                      House Fly  
Face Fly                      Gnat                      Stable Fly (Bloodsucker)
- S. AYHCLM, p. B100-1L



### Round 5 - Page 6

21. Cat. 300 Q. What coat color pattern of the Paint horse has irregular, scattered or splashy white markings that commonly do not cross the back between the withers and tail?
- A. Overo
- S. HHH, p. 104-1
22. Cat. 100 Q. What is the slang term for a horse that is used for breeding?
- A. Stud
- S. Evans, p.

### Toss-Up Question - Bonus Question Attached

23. Cat. 900 Q. What other vice may be associated with head-nodding?
- A. Weaving
- S. FCH, p. 392

### Bonus Question

24. Cat. 800 Q. Give four symptoms of shock.
- A. Loss of membrane color  
Decreased temperature of the extremities  
Feeble, rapid pulse  
Decreased respiration, shallow breathing  
Restlessness  
Anxiety  
Loss of blood volume & pressure  
Inability to stand  
Unconsciousness (sometimes)

S. FCH, p. 403 & Equus Glossary 288

### Round 5 - page 7

25. Cat. 1000 Q. In reference to an English saddle, what is the term for the channel that runs down the center of the under side of the saddle?
- A. Gullet
- S. HIH, p. 1100-2
26. Cat. 500 Q. During its first week of life, how often does a foal normally nurse?
- A. As often as 7 times per hour
- S. AYHCLM, p., B112-2L

### Toss-Up Question - Bonus Question Attached

27. Cat. 100 Q. There are two general reasons that people purchase horses. Name them.
- A. Recreation & Financial investment
- S. HIH, p. 110-1

### Bonus Question

28. Cat. 400 Q. Give four sites that a horse's pulse may be determined by using your fingers.
- A. Facial artery (under the jaw)  
Transverse facial artery (below the eye)  
Lateral dorsal metatarsal artery (below the hock on hindleg)  
Digital arteries (medial side of the pastern)

S. CAHA, p. 62

### Round 5 - Page 8

29. Cat. 600 Q. Commonly seen in hard-worded horses, what is the term for the condition that results from an excessive amount of synovial fluid in the fetlock joint capsule?
- A. Wind-puffs
- S. CAHA, p. 14
- 30 Cat. 400 Q. What is the name for the area in the horse's mouth where the bit rests?
- A. Inter-dental space or bar of jaw
- S. HIH, p. & CAHA, p. 48
31. Cat. 800 Q. An Antibiotic is used to control or eliminate what?
- A. Bacterial infection
- S. Equus Glossary 283

### Last Question in Match

32. Cat. 400 Q. What type of nerve brings sensations of pressure, pain, heat and cold from the nerve endings in the horse's dermis?
- A. Sensory nerves
- S. CAHA, p. 5

### End Round 5

## Begin One-On-One

- |    |          |    |   |
|----|----------|----|---|
| 1. | Cat. 500 | Q. | At what part of a mare's estrous cycle is she not responsive to the stallion? |
|    |          | A. | Diestrus  |
|    |          | S. | HHH, p. 910-5   |
| 2. | Cat. 800 | Q. | How is Eastern Equine Encephalomyelitis transmitted to horses?                |
|    |          | A. | Transmitted by mosquitoes   |
|    |          | S. | Equus Glossary 284  |
| 3. | Cat. 600 | Q. | In reference to disposition, describe the perfect eye on a horse.             |
|    |          | A. | Bright, tranquil eye, that has a soft kind expression                         |
|    |          | S. | HHH, p 220-4  |
| 4. | Cat. 700 | Q. | Which has more digestible energy per pound - timothy hay or oats?             |
|    |          | A. | Oats  |
|    |          | S. | AYHCLM, p. B102-1L  |

## Round 6 - Page 2

5. Cat. 100 Q. What is meant by the term *Full-board*?
- A. The stable where the horse is kept will take care of all your horse's needs (shelter, feeding, stall cleaning, turn-out and perhaps exercise)
- S. HIH, p. 110-3
6. Cat. 900 Q. What classification of horses is generally involved in *tail chewing*?
- A. Young horses/foals
- S. FCH, p. 375
7. Cat. 1000 Q. What type of martingale keeps a horse from getting above the bit?
- A. Standing Martingale
- S. AYHCLM, p. B108-3L
8. Cat. 900 Q. When does a horse begin to grow a winter coat?
- A. When the days begin to shorten
- S. AYHCLM, p. B104-1L, A304-2L

**Round 6 - Page 3**

9. Cat. 700 Q. How is plant maturity of a hay sample visually determined?
- A. By the amount of seed heads of grasses or the flowers of legumes present at the time of harvest.
- S. HIH, p. 750-2
10. Cat. 400 Q. Name the parts of the digestive tract in order starting from the stomach.
- A. Stomach, small intestine, cecum, large colon, small colon, rectum
- S. AYHCLM, p. B103-2L & CAHA, p. 52
11. Cat. 500 Q. What part of the mare's reproductive tract acts as a physical barrier between the vagina and the uterus?
- A. Cervix
- S. HIH, p. 910-1
12. Cat. 900 Q. Name three ways horses can ride in a horse trailer?
- A. Slant, head to head, head to tail, face forward - side by side
- S. AYHCLM, p. A301-1L



**Round 6 - Page 4**

13. Cat. 900 Q. What is the minimum temperature that water should be for horses during the winter?
- A. 45° F
- S. AYHCLM, p. B104-1L
14. Cat. 400 Q. What is the term for the ribs which lack costal cartilage attachment to adjacent cartilages?
- A. Floating ribs
- S. CAHA, p. 8
15. Cat. 400 Q. What part of the horse lies under the mane?
- A. Crest
- S. CAHA, p. 1
16. Cat. 1000 Q. On a Pelham bit, which rein functions as the snaffle and which functions as the curb?
- A. The upper rein is the snaffle and the lower the curb.
- S. AYHCLM p. B108-3L

**End One-On-One**

## Round 6 - page 5

### Begin Open Questions

17. Cat. 800 Q. What is the term for an abnormal collection of blood in body tissue due to blood-vessel injury?
- A. Hematoma
- S. Equus Glossary 284
18. Cat. 2500 Q. The American Stud Book is a register of Thoroughbred horses from what countries?
- A. United States, Canada and Puerto Rico
- S. HIH, p. 157-1

### Toss-Up Question - Bonus Question Attached

19. Cat. 1000 Q. Where on the horse should the girth of an English Saddle be?
- A. The heart girth area (the belly area directly behind the front legs)
- S. AYHCLM, p. B108-1L

### Bonus Question

20. Cat. 100 Q. Name four questions a horse owner must answer when deciding to keep a horse at home.
- A. Do you have the space to keep & use a horse?  
Do zoning ordinances permit horses?  
Do you have at least one or two acres that are suitably fenced?  
Do you have some type of shelter or the financial means to build one?  
Do you have a source of hay and a place to store it?  
Can you or a member of you family regularly feed & water the horse?  
Do you have time to clean the stall/shelter/paddock daily?  
Where/how will you store manure?  
Where/how will you get rid of the stocked manure?  
Do you have the time & experience to manage a horse at home?
- S. HIH, p. 110-4

## Round 6 - Page 6

21. Cat. 600 Q. 2 part question. In reference to way-of-going, what is aplaiting and what type of conformation results in this way of travel?
- A. When a base-narrow, toed-out horse moves, the forefeet travel inward to land in front of one another.
- S. CAHA, p. 39
22. Cat. 500 Q. What is the normal heart rate of a young foal?
- A. 70 to 100 beats per minute
- S. AYCHLM, p. B112-2L

### Toss-Up Question - Bonus Question Attached

23. Cat. 900 Q. In reference to pasture management, what is meant by the term carrying capacity?
- A. The number of animals that a pasture will provide sufficient forage, for to meet their needs for one full year.
- S. FCH, p. 384

### Bonus Question

24. Cat. 700 Q. Give four reasons that a horse may not have cleaned-up its feed.
- A. Horse was overfed  
Something was wrong with the feed or hay - moldy, noxious weeds, unpalatable  
Horse has limited access to water  
Horse is sick  
Horse has teeth problems

S. HHH, p. 710-7

### Round 6 - Page 7

25. Cat. 600 Q. The ~~A~~bottom line ~~≡~~of a horse's neck is measured from where to where?
- A. Throatlatch to the neck-shoulder junction at the chest
- S. HHH, p. 220-25
26. Cat. 100 Q. What is bedding?
- A. Material used to cover the stall floor to provide comfort to the horse and absorb moisture.
- S. HHH p. 110-5

### Toss-Up Question - Bonus Question Attached

27. Cat. 200 Q. What breed of horse is registered on a ~~A~~temporary ~~≡~~basis until they reach the age of five years?
- A. American Miniature Horse
- S. HHH. P. 154-1

### Bonus Question

28. Cat. 800 Q. Good sanitation is the key of any successful fly control program. Name two successful means of controlling flies.
- A. Elimination of breeding materials (manure, hay, garbage)  
Control of moisture (wet materials & areas)  
Mechanical control (beneficial parasitic insect control, baits, foggers)  
Judicious use of insecticides
- S. AYHCLM, p. B100-2L

### Round 6 - Page 8

29. Cat. 300 Q. What color eyes can a true white horse have?
- A. Brown, Hazel or Blue eyes - not pink - that is an albino
- S. HHH, p. 140-2
30. Cat. 700 Q. What happens when hay is over cured, and baled with too low a moisture content?
- A. The leaves shatter and fall off
- S. HHH, p. 750-4
31. Cat. 400 Q. Horses hooves grow at different rates of speed. Which feet grow slower?
- A. Hind hooves.
- S. AYJCLM, p. B106-2L

### Last Question in Match

32. Cat. 800 Q. What is the function of a heart-bar shoe?
- A. Provide frog support
- S. Equus Glossary 286

**End of Round 6**

**2001 Eastern National 4-H Horse Round-Up  
Round 7**

**Begin One-On-One**

1.      Cat. 600      Q.      In addition to the ratios of the neck lines, a change in the slope of a horse's shoulder also affects what other major body ratio?

A.      The ratio of the length of the back to the length of the underline.

S.      HHH, p. 220-6
  
2.      Cat. 700      Q.      What is the most accurate method to assess the nutrient make-up or value of hay?

A.      Chemical analysis

S.      HHH, p. 750-5
  
3.      Cat. 400      Q.      What separates the frog from the bar and sole of the foot?

A.      Collateral groove

S.      CAHA, p. 24
  
4.      Cat. 1000      Q.      What is the purpose of the crupper on a pack saddle?

A.      To keep the saddle from sliding forward.

S.      AYHCLM, p. B118-1L

**Round 7 -Page 2**

5. Cat. 400 Q. In the horse, which gland secretes tears?  
A. The lacrimal gland  
S. CAHA, p. 45
6. Cat. 800 Q. What two tendons can be involved in a bowed tendon?  
A. Superficial tendon and Deep Digital Flexor tendon  
S. FCH, p. 383
7. Cat. 400 Q. What is the proper name for a horse's front teeth?  
A. Incisors  
S. AYHCLM, p. I205-iL & CAHA, p. 48
8. Cat, 700 Q. What by-product is used extensively in diets for horses that have respiratory problems?  
A. Beet pulp  
S. AYHCLM, p. B102-1L



**Round 7- Page 3**

9. Cat. 900 Q. In reference to a horse's behavior, what is meant by ~~Afreezing~~ freezing?
- A. When the animal becomes stiff and immobile and refuses to move.
- S. FCH, p. 390
10. Cat. 900 Q. What is the major purpose of a horseshoeing apron?
- A. Protection of the farrier.
- S. AYHCLM, p. B116-1L
11. Cat. 700 Q. Give two advantages of using hay cubes.
- A. Easy to store - less space  
Easier to handle  
Decreased wastage
- S. HIH, p. 750-5
12. Cat. 500 Q. In the newborn foal, what site allows easy access for bacterial invasions into the body?
- A. The Navel Stump
- S. AYHCLM, p. B112-1L

### Round 7 - Page 4

13. Cat. 600 Q. What is the term for the area between the last rib and the croup?  
A. Coupling or loin  
S. HIH, p. 220-6
14. Cat. 800 Q. When do mosquitoes most commonly feed on horses?  
A. Dusk  
S. AYHCLM, p. B100-1L
15. Cat. 800 Q. What is the general term for a disease that is communicable or transmissible from one individual to another?  
A. Contagious  
S. FCH, p. 385
16. Cat. 1000 Q. What type of saddle is most noted for the high ~~A~~high rolls located near the front of the saddle?  
A. Australian Saddle  
S. AYHCLM, p. B108-2L

**End One-On-One**

### Round 7 - Page 5

17. Cat. 200 Q. 2 part question. GoldenAmerican Saddlebreds have two predominant families. Name the tow families and the special trait each family is known for.
- A. Belvederes - Dark skinned horses  
Peavines - light skinned horses
- S. HH, p. 155-1
18. Cat.700 Q. Name three ways that hay can be processed.
- A. Small square bales                      Big round or rectangular bales  
Hay cubes                                      Chopped hay  
Pelleted hay                                      Silage
- S. HIH, p. 750-5

### Toss-Up Question - Bonus Question Attached

19. Cat. 500 Q. How does the scrotum regulate testicular temperature?
- A. By raising or lowering the testicles close to or away from the body, and also by sweating.
- S. HIH, p. 920-4,5 & CAHA, p. 74

### Bonus Question

20. Cat. 600 Q. Name five conformational defects whose common name refers to another species of animal.
- A. Parrot mouthed                      Pigeon-toed  
Monkey mouthed                      Cow-hocked  
Ewe-neck                                      Coon-footed  
Goose-rumped                              Pig-eyed  
Wasp-Waisted                              Roach-back  
Herring-gutted                              Cow-eyed  
Calf-kneed

## S. HH

**Round 7 - Page 6**

- |     |          |    |   |
|-----|----------|----|---|
| 21. | Cat. 400 | Q. | The forearm of the horse lies between what two parts?                 |
|     |          | A. | Arm & knee  |
|     |          | S. | CAHA, p. 1  |
| 22. | Cat. 300 | Q. | What leg marking extends from the coronet to mid-point on the cannon? |
|     |          | A. | Half Stocking   |
|     |          | S. | HIH, p. 140-2   |

**Toss-Up Question - Bonus Question Attached**

- |     |          |    |   |
|-----|----------|----|---|
| 23. | Cat. 800 | Q. | Describe a founder ring.  |
|     |          | A. | Visible ridges and grooves in the hoof. The grooves lie close together at the front and are widely separated at the heels |
|     |          | S. | Equus Glossary 286  |

### Bonus Question

- |     |          |    |  |
|-----|----------|----|--|
| 24. | Cat. 800 | Q. | Name four factors that can cause temperature variation in the individual horse.  |
|     |          | A. | <div> <div>Age</div> <div>Ambient temperature</div> <div>Disease state</div> <div>Level &amp; intensity of activity</div> </div> <div> <div>Precipitation</div> <div>Sex</div> <div>Time of day</div> <div>Wind</div> </div> |
|     |          | S. | AYHCLM, p. B104-2L   |

**Round 7 - Page 7**

- |     |          |    |  |
|-----|----------|----|--|
| 25. | Cat. 100 | Q. | Name three key factors to consider when purchasing a horse.  |
|     |          | A. | <div> <div> Budget Experience of Rider Horse's Level of Training Breed or Breed-type </div> <div> Age/size of rider Age of Horse Intended Use of Horse </div> </div> |
|     |          | S. | HHH, p. 210-3  |
| 26. | Cat. 500 | Q. | How often does a mare's estrous cycle repeat during the season of reproductive activity?   |
|     |          | A. | Every 21-23 days   |
|     |          | S. | HHH, p. 910-5  |

**Toss-Up Question - Bonus Question Attached**

27. Cat. 900 Q. In the stable,adequate ventilation is necessary to reduce the presence of air contaminants. Give two examples of an air contaminant.
- A. Dust, mold, irritating gases, microscopic debris
- S. AYHCLM, p. B107-1L

### Bonus Question

- |     |          |    |   |
|-----|----------|----|---|
| 28. | Cat. 400 | Q. | Synovial joints are classified on the basis of the type of motion. Name four of these joints.   |
|     |          | A. | <div> <div>Ball &amp; socket</div> <div>Ellipsoid joint</div> <div>Hinged joint</div> </div> <div> <div>Pivot joint</div> <div>Sliding joint</div> </div> |
|     |          | S. | CAHA, p. 13   |

### Round 7 - Page 8

29. Cat. 200 Q. What breed of American horse is registered with the USTA?  
A. Standardbred  
S. HIH, p. 160-1
30. Cat. 800 Q. What is the term for the measurement of the concentration of an antibody in blood serum?  
A. Titer  
S. Equus Glossary 288
31. Cat. 100 Q. What is the term for one who rides horseback?  
A. Equestrian  
S. HIH, pl. 110-5

### Last Question in Match

32. Cat. 600 Q. What is the single most important characteristic in equine selection?  
A. Balance of the horse's body  
S. HIH, p. 220-5

### End of Round 7

**2001 Eastern National 4-H Horse Round-Up  
Round 8**

**Begin One-On-One**

1.     Cat. 800     Q.     How does influenza spread rapidly through a group of horses?

                         A.     Through the air by coughing & contaminating surfaces

                         S.     AYHCLM, p. B104-3L
  
2.     Cat. 800     Q.     What is the name of the condition of the hoof when there is a separation of the sensitive and insensitive laminae at the white line at the toe?

                         A.     Seedy Toe

                         S.     FCH, p. 402
  
3.     Cat. 1000    Q.     Where on a Western saddle would you find the ~~A~~hobble strap?

                         A.     At the bottom of the fender above the stirrup

                         S.     AYHCLm, p. B108-4L
  
4.     Cat. 700     Q.     Which species of pasture grass contains a fungal endophyte that can cause problems in horses, especially pregnant mares?

                         A.     Tall fescue

                         S.     HIH, p. 760-3



## Round 8 - Page 2

5. Cat. 700 Q. Give two examples of ~~Adry~~ processing ~~of~~ grain.
- A. Grinding Crimping Cracking  
Roasting Dry rolling
- S. HHH, p. 760-9
6. Cat. 600 Q. A ~~base-narrow~~ horse is predisposed to landing on what part of the foot?
- A. On the outside of the hoof wall
- S. HHH, p. 230-2
7. Cat. 900 Q. What is ~~Ahead-nodding~~?
- A. A vise in which the horse rhythmically nods its head either up and down or back and forth.
- S. FCH, p. 392
8. Cat. 100 Q. Give two terms for the person who trims and applies shoes to a horse's hooves.
- A. Farrier & Blacksmith
- S. HHH, p. 100-5

**Round 8 - Page 3**

9. Cat. 400 Q. What are ~~A~~actile ~~≡~~hairs?
- A. The course, heavy ~~A~~feeling ~~≡~~hairs that protrude from around the nostrils, lips and eyelids (not the eye lashes)
- S. CAHA, p. 4
10. Cat. 400 Q. What substance produced by the horse contains nitrogen, sulfur metabolism, inorganic salts and pigments?
- A. Urin
- S. CAHA, p. 68
- 11 Cat. 200 Q. What are the coat color requirements for an American Saddlebred?
- A. There are none, they can come in any color including pinto.
- S. HHH, p. 156-1
12. Cat. 900 Q. How can you tell if your trailer is tall enough for your horse?
- A. The trailer should be 10 inches taller than the normal resting position of the head of the horse.
- S. AYHCLM, p. B101-2L

**Round 8 - Page 4**

- 13/ Cat. 800 Q. How would you examine the incisor teeth of a horse?
- A. Hold the side of the halter near the chin with one hand and roll back the lips with the other hand to expose the teeth.
- S. AYHCLM, p. B105-1L
- 
14. Cat. 1000 Q. What is the western version of a standing martingale?
- A. Tie-down
- S. AYHCLM, p. B108-3L
- 
15. Cat. 600 Q. What is the term for an eye that is too small for the size of the horse's head?
- A. Pigeye
- S. Evans, p. 144
- 
16. Cat. 400 Q. What nerve is responsible for the sense of smell?
- A. Olfactory nerve
- S. CAHA, p. 78

**End One-On-One**

## Round 8 - Page 5

### Begin Open Questions

17. Cat. 500 Q. 2 part question. 1 - What is a bilateral cryptorchid stallion, and 2- Explaining your next answer, can they be used for breeding?
- A. 1 - a stallion that has retained both testicles in the body cavity  
2 - no, they are infertile due to suppressed spermatogenesis
- S. HIH, p. 920-1
18. Cat. 1000 Q. What piece on an English bridle is not usually seen on a Western bridle?
- A. Noseband or cavesson
- S. AYHCLM, p. B108-2L

### Toss-Up Question - Bonus Question Attached

19. Cat. 100 Q. In addition of the purchase price of a horse, name three essential purchases other than hay & grain a new horse owner would need to make.
- A. Halter & Lead                      Saddle, fittings & saddle pad or Harness  
Bridle                                      Grooming tool  
Buckets for water & feed              Helmet  
Fly spray
- S. HIH, p. 110-3

### Bonus Question

20. Cat. 800 Q. Give four characteristics of a healthy hoof.
- A. Outer hoof wall hard & slick  
Hoof wall shiny with a slightly waxy appearance  
Free of growth or fever rings  
Coronet band should have enough moisture to feel resilient  
Free of heat  
Frog should be firm & slightly pliable, appear intact  
No foul odor or discharge  
Sole should be firm & thick & not give to thumb pressure  
White line free of discoloration  
White line of uniform thickness around circumference

S. AYHCLM, p. B104-2L  
**Round 8 - Page 6**

21. Cat. 600 Q. What is the term used to indicate that a horse may have a structural problem or deviation which may have only limited affect on the horse's ability to perform?

A. Serviceably Sound

S. HIH, p. 230-1

22. Cat. 700 Q. The visual appraisal of hay is more than just sight or looking at the hay. What are the other two components?

A. Feel and Smell

S. HIH, p. 750-5

**Toss-Up Question - Bonus Question Attached**

23. Cat. 300 Q. A horse has a white band of hair just above the hoof. In this white band ther are black spots. What is the name for these spots?

A. Distal spots or ermine

S. Evans. P. 83

**Bonus Question**

24. Cat. 800 Q. Name four areas of the horse that lice are usually first noticed?

A. Head                      Mane                      Neck                      Tail

S. AYHCLM, p. B100-2L

Round 8 - Page 7

25. Cat. 500 Q. When does the mare produce colostrum?
- A. During the first 24 to 48 hours after birth of the foal.
- S. AYHCLM, p. B112-1L
26. Cat. 400 Q. The horse's skin is composed of two layers. What are they?
- A. Epidermis and dermis
- S. CAHA, p. 5

**Toss-Up Question - Bonus Question Attached**

27. Cat. 400 Q. Name two ways that veins differ from arteries.
- A. Veins contain a larger volume of blood  
Veins have thinner walls  
Veins usually have valves
- S. CAHA, p. 23

**Bonus Question**

28. Cat. 700 Q. Give four advantages of a grass-legume pasture.
- A. Provides better seasonal distribution of forages  
Eliminates the need for nitrogen fertilization  
Contains higher protein, calcium and magnesium levels  
Improves digestibility & palatability
- S. HIH, p. 730-5

**Round 8 - Page 8**

29. Cat 200 Q. What breed was developed from the mixture of Barb, Andalusian and Spanish Jennet?
- A. Paso Fino
- S. HIH, p. 162-1
30. Cat. 800 Q. The average size adult horse will ordinarily produce how many pounds of fecal material in one day?
- A. 28 to 50 pounds
- S. AYCHLM, p. B104-2L
31. Cat. 500 Q. The mare's estrous cycle is divided into two distinct time periods. What are they?
- A. Estrus & diestrus
- S. HIH, p. 910-5

**Last Question on Match**

32. Cat. 900 Q. In addition to the hitch, how should a bumper-pull trailer be attached to the towing vehicle?
- A. By two safety chains running from the trailer to the frame of the towing vehicle.
- S. AYHCLM, p. B101-1L

**End of Round 8**

**2001 Eastern National 4-H Horse Round-Up  
Round 9**

**Begin One-On-One**

1.      Cat. 1000      Q.      What strap is commonly seen on a Western bridle that is not present on a Simple English Bridle?

A.      Curb Strap or Curb Chain

S.      AYHCLM, p. B108-2L
  
2.      Cat. 800      Q.      What is the general term for the accumulation of excess fluid in the tissues under the skin causing a diffuse swelling of the area?

A.      Stocking Up or Edema

S.      FCH, p, 405 & Equus Glossary 287, 288
  
3.      Cat. 800      Q.      What is the term for a bacterial infection of the udder?

A.      Mastitis

S.      FCH, p. 234
  
4.      Cat. 700      Q.      What is the foundation of any horse ration?

A.      Good quality forage

S.      HHH, p. 750-1



## Round 9 - Page 2

5. Cat. 300 Q. What color skin does a true white horse have?  
A. Pink  
S. Evans.p. 53
6. Cat. 900 Q. If a horse is afraid of something and is unable to run away from the source of fear, what top options does the horse have?  
A. Fight or Submission  
S. FCH, p. 376
7. Cat. 700 Q. Name a substance that a deficiency of may result in the act of pica.  
A. Sodium Chloride (salt), Potassium, Phosphorus or Protein  
S. FCHm p. 400
8. Cat. 1000 Q. What is the term for a girthlike band passed over the horse's back and around the belly?  
A. Surcingle  
S. Equus Glossary 287

**Round 9 - Page 3**

9. Ct. 800 Q. What is the term for a procedure using local anesthesia, that is used to diagnose a site of pain?
- A. Nerve Block
- S. CAHA, p. 22
10. Cat. 500 Q. What is the function of the ~~Acilia~~ in the oviducts?
- A. Transporting the ovum down the oviduct and for moving sperm in the opposite direction
- S. HIH, p. 910-4
11. Cat. 700 Q. Which hay would ideally have a higher calcium content, timothy or clover?
- A. Clover
- S. HIH, p. 760-2
12. Cat. 800 Q. Explain the difference between ~~A~~high ringbone and ~~A~~low ringbone
- A. High Ringbone - new bone growth that occurs near the pastern joint  
Low Ringbone - new bone growth
- S. FCH, p. 401

**Round 9 - Page 4**

13. Cat. 600 Q. What conformation defect is predisposed to carpal chip fractures, especially in young racehorses?
- A. Calf knees
- S. CAHA, p. 11
14. Cat. 700 Q. To maintain freshness, what is the maximum that commercially prepared feed should be stored in a stable?
- A. One month
- S. HIH, p. 710-5
15. Cat. 100 Q. Where are most *Working* horses found in the United States?
- A. Cattle ranches
- S. HIH, p. 120-1
16. Cat. 900 Q. What problem can occur when using a tail wrap during trailering?
- A. If the tail wrap is too tight, it can cut off the circulation in the tail and cause the tail hair to fall out.
- S. AYHCLM, p. B101-2L

**End One-On-One**

## Round 9 - Page 5

### Begin Open Question

17. Cat. 100 Q. In reference to the horse world, give three definitions of the term *Anaiden*≡
- A. 1 - horse that has never won a race  
2 - rider/horse that has never won a ribbon  
3-mare that has never been pregnant/had a foal
- S. FCH, p. 398
18. Cat. 800 Q. What type of wound is caused by poorly fitted tack?
- A. Abrasion
- S. AYHCLM, p. B109-1L

### Toss-Up Question - Bonus Question Attached

19. Cat. 600 Q. Sidebone is the complete ossification of the cartilages of which bone?
- A. The Distal Phalanx or Coffin Bone
- S. CAHA, p. 12

### Bonus Question

20. Cat. 700 Q. Name two important factors that affect hay quality?
- A. Maturity of stage at harvest  
Forage species & variety  
Leafiness  
Harvest conditions  
Storage conditions  
Presence of foreign objects, weeds, pests and dust

S. HHH, p. 750-2

**Round 9 - Page 6**

21. Cat. 400 Q. Where is the white line located?
- A. At the junction of the wall and sole of the horse's foot
- S. CAHA, p. 24
22. Cat. 200 Q. At the turn of the century, what was the standard that the Standardbred horse had to meet in order to become registered?
- A. Be able to trot or pace a mile in 2:30
- S. HIH, p. 160-1

**Toss-Up Question - Bonus Question Attached**

23. Cat. 500 Q. When using the system for scoring of behavioral estrus in mares, what behavior is seen in a mare scoring a 1?
- A. Mare is not aggressive towards the stallion, but looks away or is not interested.
- S. HIH, p. 930-2

**Bonus Question**

24. Cat. 700 Q. Name four protein supplements that are commonly fed to horses.
- A. Soybean meal                      Cottonseed meal  
Peanut meal                      Linseed meal  
Fish meal                      Urea  
Milk protein (dried skim milk, dried buttermilk, dried whole milk, dried whey and casein)
- S. HIH, p. 760-7, 8

### Round 9 - Page 7

25. Cat. 400 Q. From what part of the horse's digestive tract are ~~Agut~~ sounds mainly heard?
- A. Cecum
- S. HH, p. 710-2
26. Cat. 600 Q. What is the term of the inflammation and thickening of the long plantar ligament? It may be caused by faulty conformation or by repeated blows.
- A. Curb
- S. CAHA, p.132

### Toss-Up Question - Bonus Question Attached

27. Cat. 700 Q. What is an ~~At~~ oat groat?
- A. Oats with the hulls removed
- S. HH, p. 760-6

### Bonus Question

28. Cat. 800 Q. In reference to wounds or injury, give four purposes of bandaging.
- A. Immobilizes the region to aid healing  
Keeps wound clean  
Protects from infection  
Protects from further trauma  
Controlling hemorrhage  
Reduce swelling  
Support
- S. AYHCLM, p.B109-2L

### Round 9 - Page 8

29. Cat. 200 Q. Name three breeds of American horses that can trace its foundation back to the Morgan horse.
- A. Saddlebred, Tennessee Walking Horse, Standardbred, Quarter Horse
- S. HH, p. 151-2
30. Cat. 500 Q. What is passive transfer of immunity?
- A. When a newborn foal receives antibodies from the mare through the colostrum
- S. AYHCLM, p. B112-2L
31. Cat. 1000 Q. What type of saddle is specially designed with a flat seat, forward short flaps, and no extra knee roll?
- A. Close Contact Saddle
- S. AYHCLM, p. B108-1L

### Last Question in Match

32. Cat. 800 Q. Your horse has been injured and is bleeding. How would you know that an artery is involved?
- A. Bright red blood would be escaping from the wound in spurts.
- S. AYHCLM, p. B109-1L

**End of Round 9**



**2001 Eastern National 4-H Hourse Round-Up  
Round 10**

**Begin One-On-One**

1.      Cat. 700      Q.      What cattle feed additive is highly toxic to horses?

A.      Ionophores such as monesin, lasalocid, bovatec (accept any of the above)

S.      HHH, p. 760-9
  
2.      Cat. 1000      Q.      In what type of Western class is a tie-down commonly seen being used?

A.      Speed events

S.      AYHCLM, p. B108-3L
  
3.      Cat. 900      Q.      If your horse is leaning against the divider of the horse trailer, ideally, how many inches should be between the horse's other side and the wall of the trailer?

A.      Six inches (Horse should have 3 inches on either side for lateral movement when standing properly)
  
4.      Cat. 900      Q.      Explain the difference between monocular and binocular vision.

A.      Monocular - see a different item with each eye  
Binocular - looking at the same thing with both eyes at once.

S.      AYHCLM, p. B111-1L

**Round 10 - Page 2**

5. Cat. 500 Q. What is the term for the colorless liquid surrounding the fetus?  
A. Amniotic Fluid  
S. Equus Glossary 287
6. Cat. 600 Q. What conformation defect places greater strain on the medial small metacarpal bone, often leading to splints?  
A. Offset or bench knees  
S. CAHA, p. 39
7. Cat. 900 Q. 2-part question. When constructing a horse stall, what spacing should be used for the bars on the partitions, and give one reason why?  
A. 3 2 to 4 inch spacing between bars so that a rearing/pawing horse cannot get foot stuck between the bars.  
S. AYHCLM, p. I207-2L
8. Cat. 800 Q. With what instrument is the temperature of the horse determined?  
A. Rectal thermometer  
S. FCH, p. 406

**Round 10 - Page 3**

9. Cat. 800 Q. A horse that shows increased musculature along the costal arch most likely has what condition?
- A. Heaves
- S. CAHA, p. 67
10. Cat. 700 Q. When feeding barley to horses, in what form should it be fed?
- A. Crimped or rolled because it has a tough hull
- S. HIH, p. 760-6
11. Cat. 800 Q. Where is the bacterium *Clostridium Tetani* commonly found, and how is it transmitted to the horse?
- A. Distributed in soil and manure, transmitted to the horse through an injury such as a cut or puncture wound.
- S. FCH, p. 406 & Equus Glossary 284, 288
12. Cat. 1000 Q. What type of English Saddle is designed to give the rider optimum leg contact with the horse?
- A. Dressage saddle
- S. AYCHLM, p. B108-1L

**Round 10 - Page 4**

13. Cat. 900 Q. Ut us 70° F outside. In order to insure an adequate air exchange within the barn, what should be the maximum air temperature inside the barn?
- A. 75° F
- S. AYHCLM, p. B107-2L
14. Cat. 800 Q. Inflammation on the fluid-filled bursal sac that is located between the thoracic vertebrae and the nuchal ligament of the neck is called what?
- A. Fistulous withers
- S. FCH, p. 389
15. Cat. 700 Q. For proper digestive tract function, horses require a minimum of what percent of their body weight per day in long-stem dry matter?
- A. 1%
- S. HIH, p. 750-1
16. Cat. 300 Q. What color horse has a black mane and tail, the body color of brown or black with light areas at the muzzle, eyes, flank and inside of the upper legs?
- A. Brown
- S. HIH, p. 140-1

**End One-On-One**

### Round 10 - Page 5

17. Cat. 700 Q. What by-product can be added to a horse's ration as a source of additional fiber?
- A. Beet pulp or Wheat bran
- S. HHH, p. 760-8, 9
18. Cat. 400 Q. What is the common name for the Apocrine Tubular Glands of the horse?
- A. The Sweat Glands
- S. CAHA, p. 5

### Toss-Up Question - Bonus Question Attached

19. Cat. 1000 Q. What is the term for the solid pieces of leather that are attached to the headstall of a driving bridle along side of each eye so the horse cannot see to the side?
- A. Blinders, Blinkers, Winkers
- S. FCH, p. 382

### Bonus Question

20. Cat. 900 Q. Five four features of a horse trailer that provide added safety for the horse.
- A. Butt bar Rubber Mats  
Chest/Wall Padding Safety/Quick Release Ties  
Screened Windows

S. AYHCLM, p. I201-1L

### Round 10 - Page 6

21. Cat. 200 Q. What famous foundation sire carried President James Monroe on a Muster-Day parade ground?
- A. Justin Morgan or Figure
- S. HIH, p. 151-1
22. Cat. 600 Q. What is the foot fall sequence for the Aunning walk, starting with the left front foot?
- A. Left front - right rear -right front - left rear; all falling separately
- S. HIH, p. 152-1

### Toss-Up Question - Bonus Question Attached

23. Cat. 500 Q. Which layer of the mare's uterus is responsible for the powerful contractions which expels the foal at birth?
- A. The Middle Layer or Myometrium
- S. HIH, p. 910-3

### Bonus Question

24. Cat. 900 Q. Name four changes that can be observed in the horse as it ages.
- A. Drooping of the lower lip  
Lower or Swayed back  
Deepening of the hollows above the eyes  
Appearance of gray hairs around eyes and muzzle  
Angle of the Incisor Teeth  
Harder to keep weight on or loss of weight  
Stiffness in legs/joints.
- S. HIH, p. 450-1

### Round 10 - Page 7

25. Cat. 800 Q. Name two structures of the horse's forelimb that are directly affected by navicular disease.
- A. Navicular Bone  
Navicular Bursa  
Deep Digital Flexor Tendon
- S. CAHA, p. 27
26. Cat. 200 Q. Approximately, how much does an average mature American Miniature horse weigh?
- A. 200 to 350 pounds
- S. HIH, p. 154-1, AYHCLM, B110-2L

### Toss-Up Question - Bonus Question Attached

27. Cat. 400 Q. 2 part question. How many Chestnuts does a horse have and where are they located?
- A. 4 Chestnuts total  
2 on front legs above the knee  
2 on back legs below the hock
- S. CAHA, p. 4

### Bonus Question

28. Cat. 800 Q. Give four symptoms of a horse with Tetanus.
- A. Constant excitement  
Muscle stiffness & rigidity  
Stiff, stilted gait  
Elevated tail  
Erect ear carriage  
Persistent protrusion of the third eyelid  
Excessive reaction to noise & other stimuli  
Classic "awhorse" stance  
Jaw muscle lock - horse unable to eat



S. AYHCLM, p. B104-2L

**Round 10 - Page 8**

29. Cat. 100 Q. What is the general purpose of a pre-purchase exam?
- A. To determine the overall soundness and health of a horse prior to the sale transaction.
- S. HIH, p. 210-5
- 
30. Cat. 500 Q. Leydig Cells in the stallion are responsible for the production of what two hormones?
- A. Testosterone & Estrogen
- S. HIH,p. 920-2
- 
31. Cat. 600 Q. When determining the quality of a horse's conformation, what do you compare to?
- A. The Ideal horse for the breed
- S. HIH, p. 220-1

**Last Question in Match**

32. Cat. 800 Q. 2 part question. What are lymphocytes and what is their function?
- A. Small white blood cells produced in the lymph nodes, important in fighting infection
- S. Equus Glossary 283

**End Round 10**

**2001 Eastern National 4-H Horse Round-Up  
Round 11**

**Begin One-On-One**

20.    Cat. 600    Q.    What is the determining factor in the ratio of the top to the bottom line of the horse's neck?
- A.    The slope of the horse's shoulder
- S.    HIH, p.220-5
- 
2.       Cat. 800    Q.    What is the term for the time period between the occurrence of infection and the onset of clinical signs?
- A.    Incubation
- S.    FCH, p. 393
- 
3.       Cat. 800    Q.    What is the term for the coal-tar based ointment that has a soothing drawing effect?
- A.    Ichthammol
- S.    Equus Glossary 284
- 
4.       Cat. 800    Q.    What is the term for ossification of the lateral cartilages of the coffin bone that prevents normal expansion of the foot?
- A.    Sidebone
- S.    FCH, p. 403

## Round 11 - Page 2

5. Cat. 400 Q. How many bones form the basis of locomotion in the horse?
- A. 80, 20 in each of the hind limbs & 20 in each of the forelimbs
- S. CAHA, p. 6
6. Cat. 800 Q. What is the general term for inflammation of a tendon?
- A. Tendonitis
- S. FCH, p. 406
7. Cat. 300 Q. What is the term for a wide patch of white down the face covering the full width of the nasal bones?
- A. Blaze
- S. Evan. P. 82 & CAHA, p. 4
8. Cat. 900 Q. The horse has several areas on its=body that are very sensitive to touch. Name three.
- A. Belly Ear Legs Nose  
Eyes Ribs Flank Withers
- S. AYHCLM, p. B111-1L

### Round 11 - Page 3

9. Cat. 800 Q. Rhinopneumonitis is a disease caused by what?
- A. Equine Herpes Viruses
- S. FCH, p. 401 & Equus Glossary 285, 288
10. Cat. 800 Q. In reference to a wound, what is a granulation?
- A. The formation of new cells from the capillaries in the base of a wound to fill up the wound gap.
- S. Equus Glossary 283, 288
11. Cat. 1000 Q. What is the term for a long rope fastened to a horse's halter allowing the horse to move in a circle around a person holding the other end of the rope?
- A. Lunge Line
- S. FCH, p. 395
12. Cat. 900 Q. What is the name for the part of the horseshoe nail that prevents the nail from pulling through the shoe?
- A. Head or Nail-head
- S. AYHCLM, p. I231-2L & Evans, 739, 745

**Round 11 - Page 4**

13. Cat. 900 Q. What is the name for the oral vice in which a horse sticks its tongue out the side of the mouth for periods of time?
- A. Tongue Displacement
- S. FCH, p. 407
14. Cat. 600 Q. Describe the Ideal wither.
- A. Sharp, prominent and well-defined
- S. HIH, p. 220-6
15. Cat. 800 Q. What is a spasm?
- A. Sudden, involuntary contractions of a muscle or group of muscles
- S. FCH, p. 404
16. Cat. 500 Q. What hormone in the mare is responsible for stimulating ovulation and supporting the initial stages of corpus luteum development?
- A. Luteinizing Hormone (LH)
- S. HIH, p. 910-6

**End One-On-One**

## Round 11 - Page 4

### Begin Open Question

17. Cat. 100 Q. What notable person said "The outside of the horse is good for the inside of man?"
- A. Will Rogers
- S. HIH, p. 210-1
18. Cat. 500 Q. 2-part question. What is another name for the placenta and what is its purpose?
- A. Afterbirth - Serves to nourish fetus and transport waste material through contact with mother's uterus.
- S. Equus Glossary 287

### Toss-Up Question - Bonus Question Attached

19. Cat. 700 Q. How does wheat bran differ from wheat germ?
- A. Grain - is the kernel or meat  
Bran - is the outer covering of the wheat kernel which is removed during the cleaning and processing of the grain
- S. HIH, p. 760-8

### Bonus Question

20. Cat. 800 Q. Leukocytes or white blood cells are important in the body's defense against infection. There are five types of Leukocytes. Name four.
- A. Basophils                      Eosinophils                      Monocytes  
Lymphocytes                      Neutrophils
- S. Equus Glossary 284, 285

### Round 11- Page 6

21. Cat. 400 Q. What is the term for the profuse sweating of a horse?
- A. Lathering
- S. CAHA, p. 5
22. Cat. 1000 Q. There are three types of saddles in the Hunt or ~~A~~Forward Seat category. What are they?
- A. All-Purpose, Close Contact and Dressage
- S. AYHCLM, p. B108-1L

### Toss-Up Question - Bonus Question Attached

23. Cat. 900 Q. Temperature and humidity play an important part in a horse's ability to cool itself. Under what conditions is the horse's cooling ability significantly reduced to the point where it can be fatal if the horse is stressed?
- A. When the ambient temperature and relative humidity combined is greater than 180.
- S. AYHCLM, p. B104-1L

### Bonus Question

24. Cat. 400 Q. There are four classes of horses based upon their nutritional class or status in life. Name the classes.
- A. Growing Horse (Weanlings & Yearlings)  
Mature Idle  
Producing (Late Gestation Mares & Lactating Mares)  
Working
- S. AYHCLM, p. B103-1L



### Round 11 - Page 7

25. Cat. 200 Q. In addition to Wall Street financier James Keene, what other prominent horseman lead the development of the Jockey Club?
- A. August Belmont II
- S. HH, p. 157-1
26. Cat. 400 Q. How long does food stay in the horse's stomach before passing on into the small intestines?
- A. 15 minutes
- S. HH, p. 710-1

### Toss-Up Question - Bonus Question Attached

27. Cat. 600 Q. Name two conditions that base narrow horses tend to develop due to their way-of-going.
- A. Ringbone, sidebone or heel bruising
- S. HH, p. 230-3

### Bonus Question

28. Cat. 700 Q. 2-part question. Grass-hays can be divided into two different types. What are the types and give two examples of each.
- A. Cool-Season - Timothy, brome grass, canary grass, orchard grass, tall fescue, redtop  
Warm-Season - Bahiagrass, bermudagrass, pangolagrass, johnsongrass
- S. HH, p. 750-3

### Round 11 - Page 8

29. Cat. 500 Q. Name the three accessory sex glands of the stallion.  
A. Bulbourethral gland, Prostate gland, Vesicular gland  
S. HIH, p. 920-1
30. Cat. 200 Q. When was the first purebred Arabian horse breeding program started in the United States?  
A. Late 1800's (1888)  
S. HIH, p. 150-1
31. Cat. 1000 Q. What is the purpose of an anti-sweat sheet?  
A. To wick moisture away from the horse's body after a heavy workout. Speeds up cooling process through evaporation  
S. HIH, p. 1100-12

#### Last Question in Match

32. Cat. 700 Q. Grains are processed in many ways. What benefit does ~~A~~steam rolling~~≅~~ oats have over ~~A~~dry rolling~~≅~~?  
A. It lessens the amount of dust in the grain  
S. HIH, p. 760-9

#### End Round 11

## 2000 EASTERN NATIONAL 4-H HORSE ROUND-UP

### Round 1

#### BEGIN ONE-ON-ONE

1. Cat. 700 Q. Beet pulp is used extensively in the diet of horses with what type of problem?  
  
A. Respiratory problems (heaves)    Poor body condition  
Chronic colic    Dental problems  
Exercise related muscle problems  
  
S. AYHCLM, p. Adv. 302-1L
  
2. Cat. 900 Q. In addition to the hitch, what else is used to further attach a horse trailer to the towing vehicle?  
  
A. The safety chains  
  
S. AYHCLM, p. Adv. 301-1L
  
3. Cat. 100 Q. What is thought to have been the horse's greatest contribution to human history?  
  
A. Its use as a tool of warfare or transportation.  
  
S. Evans, p. 6
  
4. Cat. 500 Q. What is the name for the exterior opening to the reproductive canal?  
  
A. Vulva  
  
S. AYHCLM, p. Adv. 326-1L & Evans, p. 321

**Round 1**

**Page 2**

5. Cat. 800 Q. What is the major cause of a sole bruise?
- A. Concussion to the sole by rocks, gravel or other hard object.
- S. AYHCLM, p. Adv. 334-1L
6. Cat. 300 Q. What characteristic must a Grulla possess to be eligible for registry?
- A. A dorsal stripe, smokey blue color, black points
- S. Evans, p. 51
7. Cat. 400 Q. What is the most commonly used technique for estimating body weight of the horse?
- A. Use of a heart or girth tape/ weight tape
- S. AYHCLM, p. Adv. 303-2L & FCH p. 118
8. Cat. 200 Q. Too small to be ridden by an adult but too spirited for most children, this elegant, fiery breed of pony is the aristocrat of the pony world. He has been referred to at the "Prince of Ponies". What breed is this?
- A. The Hackney Pony
- S. Evans, p. 61

**Round 1**

**Page 3**

9. Cat. 1000 Q. What is another name for the cinch?  
A. Girth, bellyband  
S. HHH, p. 1100-3
10. Cat. 500 Q. What hormone causes the cervix of the mare to become relaxed during estrus?  
A. Estrogen  
S. AYHCLM, p. Adv. 326-1L & Evans, p. 127
11. Cat. 700 Q. What is the term for feed stuffs high in fiber?  
A. Forage or roughage  
S. Evans, p. 189 & FCH p. 390
12. Cat. 600 Q. What is the term used for a horse that has too much slope to its croup?  
A. Goose rumped  
S. Evans, p. 154

**END ONE-ON-ONE**

**BEGIN OPEN QUESTIONS**

13. Cat. 600 Q. What is the name for the fast, flashy, four-beat gait sometimes referred to as the single foot?
- A. The rack
- S. Evans, p. 40
14. Cat. 400 Q. What is the final segment of the digestive tract of the horse?
- A. The rectum
- S. AYHCLM, p. Adv. 303-2L & CAHA, p. 52

**TOSS-UP QUESTION – BONUS ATTACHED**

15. Cat. 700 Q. What is the single most important factor affecting the quality of a forage at harvest?
- A. The plant's stage of maturity
- S. AYHCLM, p. Adv. 302-1L & FCH p. 68
16. **BONUS QUESTION**
- Q. During cleaning of the foot, name four things that the foot should be inspected for.
- |  |                     |
|--|---------------------|
| A. Rocks   | Nails Loose/Missing |
| Bruises  | Puncture Wounds     |
| Loose shoes (if shod)  | Abnormal Growth     |
| Disease (such as thrush)   | Uneven Wear         |
| General Hoof Condition (cracks, splitting, inadequate moisture, etc) |                     |
- S. Evans, p. 720

**RESUME OPEN QUESTIONS**

17. Cat. 800 Q. What type of colic occurs when there is an obstructive lodging of food in the intestine?
- A. Impaction colic
- S. Equus Glossary 267 & FCH p, 294
18. Cat. 100 Q. What is the term used for the feral donkeys of the American South West?
- A. Burros
- S. Evans, p. 76
19. Cat. 600 Q. What is depth of heart?
- A. Depth of heart is the measurement from the top of the withers to the chest floor.
- S. AYHCLM, p. Adv. 323-2L

**TOSS-UP QUESTION – BONUS ATTACHED**

20. Cat. 1000 Q. What type of saddle am I describing? This light weight saddle gives the rider a straight leg position and a deep seat for security and balance. The tall horn gives the rider something to grab on the turns. The saddle's skirts are often rounded.
- A. Barrel Racing saddle
- S. HIH, p. 1100-5

**21. BONUS QUESTION**

Q. List four things that an equine dentist looks for or feels in the horse's mouth.

A. Sharp enamel points  
Retention of deciduous (baby) teeth/caps  
Presence of wolf teeth  
Hooks on the sides where teeth do not fully come together  
Long or tall teeth in older horses  
Infected teeth and gums  
Malalignment or uneven wear  
Tall and/or excessively sharp canines  
Sharp edges  
Missing or damaged teeth  
Attrition in older horses (missing teeth)

S. AYHCLM, p. Adv. 304-1L & FCH p. 177

**RESUME OPEN QUESTIONS**

22. Cat. 900 Q. What is meant by the term "full board"?

A. The stable where the horse is being kept will generally take care of all of the horse's needs.

S. AYHCLM, p. Adv. 324-1L

23. Cat. 400 Q. What is the name for the functional unit of the lungs that exchanges gas?

A. Alveoli

S. AYHCLM, p. Adv. 325-2 & HH 810 & CAHA, p. 67

24. Cat. 700 Q. Which vitamin is known as the "sunshine vitamin"?

A. Vitamin D

S. Evans, p. 240 & FCH p. 48



## Round 1

### Page 7

25. Cat. 1000 Q. What is the term for the type of bit mouth piece that does not have a port and is not jointed in the middle, but has a slight bow?

A. Mullen Mouth

S. HH, p. 1100-11

### TOSS-UP QUESTION – BONUS ATTACHED

26. Cat. 800 Q. If a horse suddenly starts rubbing its tail, what parasite may be the cause of this action?

A. Pinworms, lice, ticks

S. Evans, p. 640 & FCH p. 158

### 27. BONUS QUESTION

- Q. Name four equine related careers where workers do not work hands-on with live horses.

A. Cooperative Extension personnel  
Department of Agriculture personnel  
Breed Association or Horse Council Representatives  
Horse Show/Race Track Announcer  
Feed Industry  
Horse Show Organizer  
Equine Insurance  
Equine Lawyer  
Tack Store  
Horse Show Judge  
Barn Builder  
Equine Appraiser

S. AYHCLM, p. Adv. 338-2L

### RESUME OPEN QUESTIONS

28. Cat. 600 Q. Describe “contracted heels”.
- A. The heels of the hoof are too close together and too upright for normal conformation of the foot, frog may be shrunken.

S. Equus Glossary 268 & Evans, p. 167

**Round 1**  
**Page 8**

29. Cat. 500 Q. What is a “crossbred”?
- A. Crossbred has at least one registered parent and are usually crosses between registered parents of two different breeds.
- S. Evans, p. 137
30. Cat. 400 Q. In reference to horses, what is the frog?
- A. The wedge-shaped, soft horn structure on the underside of the hoof.
- S. Equus Glossary 266 & CAHA, p. 24
31. Cat. 800 Q. What is another name for “equine distemper”?
- A. Strangles
- S. Evans, p. 96 & FCH p. 405,173

**LAST QUESTION IN MATCH**

32. Cat. 900 Q. What is the term used for a kick that is forward and sideward?
- A. Cowkick
- S. Evans, p. 182

**END ROUND ONE**

## 2000 EASTERN NATIONAL 4-H HORSE ROUND-UP

### Round 2

#### BEGIN ONE-ON-ONE

1.    Cat. 800    Q. What is the general term for the condition when a horse becomes uncoordinated and staggers due to a disease or injury of the brain or spinal chord?  
  
                    A. Ataxia  
  
                    S. Equus Glossary 263 & FCH, p. 381
  
2.    Cat. 100    Q. What was the origin of the horses that were first re-introduced to North America during the 1500's?  
  
                    A. Spanish horses  
  
                    S. Evans, p. 7
  
3.    Cat. 200    Q. This Austrian breed of horse often resembles the Belgian, mostly because their coat is a light shade of chestnut with flaxen mane and tail, and are stout in body type. What breed is it?  
  
                    A. The Haflinger  
  
                    S. Evans, p. 74
  
4.    Cat. 700    Q. What is the most economical protein supplement fed to horses?  
  
                    A. Soybean meal  
  
                    S. AYHCLM, p. Adv. 302-1L, Evans, p. 256 & FCH, p. 142

**Round 2**  
**Page 2**

5. Cat. 900 Q. When is a horse most apt to strike?  
A. When in nose-to-nose contact with another horse  
S. Evans, p. 182
6. Cat. 400 Q. What is the name for the waxy covering on the hoof wall?  
A. Periople  
S. Equus Glossary 269, FCH, p. 399 & CAHA, p. 24
7. Cat. 1000 Q. Where on the horse should the girth of an English style saddle lie?  
A. In the heart girth area, (belly area directly behind the front legs)  
S. AYHCLM, Beg. 108-1L & HH, p. 1100-3
8. Cat. 600 Q. Explain the difference between an unsoundness and a blemish.  
A. Unsoundness = A defect in form or function that interferes with the usefulness of the horse  
Blemish = is an acquired physical defect that does not interfere with the usefulness of the horse, but it may diminish its value  
S. Evans, p. 156 & FCH, p. 382, 407

**Round 2**  
**Page 3**

9. Cat. 300 Q. What coat color is unique to the Shetland pony?  
A. Silver Dapple – a dappled chestnut with silver or white mane and tail.  
S. Evans, p. 59
10. Cat. 500 Q. How many teats does a mare have?  
A. Two  
S. Evans, p. 322
11. Cat. 600 Q. Name the “natural” gaits of the horse.  
A. Walk Trot Run or Gallop (NOT canter)  
S. Evans, p. 171 & FCH, p. 390
12. Cat. 800 Q. What is arthritis?  
A. Inflammation of a joint  
S. Equus Glossary 271 & FCH, p. 381

**END ONE-ON-ONE**

**BEGIN OPEN QUESTIONS**

13. Cat. 400 Q. How many bones are in the sternum?
- A. One
- S. Evans, p. 90 & CAHA, p. 8
14. Cat. 700 Q. Which grain is the highest source of energy?
- A. Corn
- S. Evans, p. 251 & FCH, p. 74

**TOSS-UP QUESTION – BONUS ATTACHED**

15. Cat. 1000 Q. What is a “tail rope”?
- A. It is a large diameter cotton rope that is wrapped around the foal’s rear quarters to aid in teaching it to lead. Also tied to tail to help get animal onto its’ feet or to restrain the tail.
- S. AYHCLM, Beg. 112-2L
16. **BONUS QUESTION**
- Q. Name the three different variations of a hoof wall crack.
- A. Extend part way down the wall from the coronary band  
Extend part way up from the ground surface  
Extend the full length of the wall  
Horizontal crack
- S. AYHCLM, p. Adv. 334-2L

**RESUME OPEN QUESTIONS**

17. Cat. 800 Q. On what part of the horse's body do stable flies prefer to feed on?
- A. On the horse's legs, with the largest number on the lower legs And flanks.
- S. AYHCLM, p. Adv. 300-1L & Evans, p. 642
18. Cat. 600 Q. What is the most common blemish of the hind limbs?
- A. Capped hock
- S. Evans, p. 164 & CAHA, p. 32
19. Cat. 400 Q. How many ribs does a Percheron have?
- A. 36 (18 pairs)
- S. Evans, p. 90 & CAHA, p. 8

**TOSS-UP QUESTION – BONUS ATTACHED**

20. Cat. 900 Q. On what parts of the foot is a farrier's knife used?
- A. The sole, wall and frog. Also for cutting out corns.
- S. Evans, p. 722 , 726 & 728

**Round 2**  
**Page 6**

**21. BONUS QUESTION**

Q. Name four factors affecting "forage quality."

A. Maturity stage at harvest	Leafiness
Forage species	Handling conditions
Forage variety	Storage conditions
Presence of foreign objects	Presence of weeds
Presence of pests	Moisture
Harvest conditions (weather)	Color

S. AYHCLM, p. Adv. 337-1L & FCH, p. 68

**RESUME OPEN QUESTIONS**

22. Cat. 700 Q. What are "trace minerals"?

A. Minerals that are found in small quantities in feedstuffs, and are required in small quantities by the body.

S. Equus Glossary 267 & FCH, p. 407

23. Cat. 800 Q. What is the name for the condition when under moist conditions, the hair coat separates from the skin at its roots, forming painful crusts and sloughing off in sections?

A. Rain Scald or Rainrot

S. Equus Glossary 266

24. Cat. 500 Q. What is meant by the term "silent heat"?

A. When the mare fails to show behavioral signs of estrus

S. Evans, p. 327 & FCH, p. 235



**Round 2**

**Page 7**

25. Cat. 1000 Q. How many billets are usually on a forward seat saddle?

A. Three

S. HH, p. 1100-2

**TOSS-UP QUESTION – BONUS ATTACHED**

26. Cat. 800 Q. What is a fecal egg count?

A. A laboratory procedure used to determine the number of parasite eggs in a fecal specimen.

S. Equus Glossary 264 & Evans, p. 647

27. **BONUS QUESTION**

Q. Give four functions of the skin of the horse.

A. Protective barrier	Provides sensory information
Gives flexible support	Controls water loss
Immunologic responses	Regulation of blood pressure
Control of body temperature	

S. CAHA, p. 5a

**RESUME OPEN QUESTIONS**

28. Cat. 900 Q. Positive reinforcement has often been referred to as what type of training of the horse?

A. Reward training

S. Evans, p. 664, AYHCLM, p. Adv. 320-2L & HH 1240

**Round 2**  
**Page 8**

29. Cat. 400 Q. Being specific, where are chestnuts located on a horse?
- A. Front legs = inside surface of the legs above the knees  
Hind legs = inside surface of the legs at the bottom portion of the hocks
- S. Evans, p. 128, 688 & CAHA, p. 4
30. Cat. 700 Q. What minerals are needed for the necessary formation of bone?
- A. Calcium & Phosphorous
- S. Evans, p. 221 & FCH, p. 20
31. Cat. 900 Q. What type of fence is strongly discouraged for use with horses?
- A. Barbed wire  
Mesh with large holes
- S. Evans, p. 761

**LAST QUESTION IN MATCH**

32. Cat. 800 Q. What is the first step in treating an abscess?
- A. Open the affected area and allow it to drain.
- S. AYHCLM, p. Adv. 334-2L

**END ROUND TWO**

## **2000 EASTERN NATIONAL 4-H HORSE ROUND-UP**

### **Round 3**

#### **BEGIN ONE-ON-ONE**

1.    Cat. 600    Q.   What is the purpose of the skeleton?  
  
                         A.   It is the framework that gives the body form and protects the  
   vital organs.   Support soft tissue.  
  
                         S.   AYWCLM, p. Adv. 323-3L & CAHA, p. 6
  
2.    Cat. 600    Q.   Describe a horse with “trappy” action.  
  
                         A.   The horse has a short, quick, high and often choppy stride  
  
                         S.   Evans, p. 181
  
3.    Cat. 300    Q.   What is the general term that describes the color of a bay and  
   white pinto?  
  
                         A.   Skewbald  
  
                         S.   Evans, p. 46
  
4.    Cat. 700    Q.   What type of hay is higher in calcium and protein?  
  
                         A.   Legume hay  
  
                         S.   AYWCLM, p. Adv. 337-2L, FCH, p. 64 & HIH 750

5. Cat. 1000 Q. What is the name for the strap that holds the snaffle bit in a double bridle?
- A. Bradoon Carrier
- S. HHH, p. 1100-10
6. Cat. 200 Q. The King Ranch of Texas developed a linebreeding program around one Quarter Horse stallion that they felt fit their ideal of the working cow horse. Who was this horse?
- A. Old Sorrel
- S. Evans, p. 26
7. Cat. 800 Q. If a horse is said to be “walking on eggs”, what condition may be affecting this horse?
- A. Founder/Laminitis
- S. Evans, p. 297
8. Cat. 400 Q. In reference to a horse’s coat, what does “bloom” mean?
- A. Luster, shine of the hair
- S. Evans, p. 129 & FCH, p. 382

9. Cat. 100 Q. In Colonial New England, why was horse racing socially unacceptable?
- A. It was too closely associated with the landed gentry in England.
- S. Evans, p. 9
10. Cat. 700 Q. What grain is the most difficult to overfeed when compared to other grains?
- A. Oats
- S. Evans, p. 251 & FCH, p. 73
11. Cat. 900 Q. Why should rubber mats be periodically removed from a horse trailer?
- A. To allow wooden floors to dry completely to prevent rot, and to prevent corrosion of metal floors.
- S. AYHCLM, p. Adv. 301-1L
12. Cat. 900 Q. When the dominant horse in a group makes a threat, less aggressive horses will do what?
- A. Retreat if possible
- S. Evans, p. 678

**END ONE-ON-ONE**

**BEGIN OPEN QUESTIONS**

13. Cat. 400 Q. What is the largest joint in the horse?  
A. The stifle  
S. Evans, p. 691
14. Cat. 800 Q. What is the term for the condition where the hoof wall separates at the toe?  
A. Seedy Toe  
Evans, p. 168 & FCH, p. 402

**TOSS-UP QUESTION – BONUS ATTACHED**

15. Cat. 700 Q. What type of pasture provides the greatest total amount of nutrients and a longer grazing season?  
A. A mixture of grasses and legumes  
S. Evans, p. 275

**16. BONUS QUESTION**

Q. Give three visual differences between the horse and the ass.

A. Ass = Longer, larger ears                      Smaller in height  
Sparser mane and tail                      Larger head  
More cowlike tail  
Smaller hooves  
Muzzle and underbelly usually light in color  
No chestnuts on the inner sides of the legs  
(Do not accept bray vs whinny or gestation period of jennet is 12 months – these are not visual differences)

S. Evans, p. 76

**RESUME OPEN QUESTIONS**

17. Cat. 300 Q. What color horse is known as the horse of heroes, history, art and fiction?
- A. White
- S. Evans, p. 53
18. Cat. 900 Q. In addition to the truck bed, to what other part of the truck should a Gooseneck-type hitch be attached?
- A. To the frame under the truck bed.
- S. AYHCLM, p. Adv. 301-1L
19. Cat. 500 Q. What reflex does the stallion exhibit when he smells the external genitalia of the mare?
- A. The Flehman reflex
- S. Evans, p. 387 & FCH, p. 389

**TOSS-UP QUESTION – BONUS ATTACHED**

20. Cat. 600 Q. What is termed the “most useful gait” of the horse?
- A. The walk
- S. Evans, p. 172

**21. BONUS QUESTION**

Q. Give four different varieties of clover that are fed to horses in the form of hay.

A. Alsike	Crimson
Red	Ladino
Sweet	White

S. Evans, p. 255 & FCH, p. 108

**RESUME OPEN QUESTIONS**

22. Cat. 1000 Q. When applying a wrap to a horse's tail, why is it important not to pull the wrap too tightly?

A. If the wrap is too tight, you can cut off the circulation in the tail, causing the hair to die and fall out, cutaneous gangrene

S. AYHCLM, Beg. 101-2L & HH, p. 1150-3

23. Cat. 400 Q. What is the name for the long, individual hairs that often mix with the dense undercoat of the horse, especially under the belly?

A. Guard hairs or cat hairs

S. Evans, p. 129

24. Cat. 1000 Q. The corner of the mouth should have how many wrinkles with a properly fitted snaffle bit?

A. One or two small wrinkles

S. AYHCLM, Beg. 108-3L & HH, p. 1100-8



**Round 3**

**Page 7**

25. Cat. 700 Q. Which of the following common cereal grains fed to horses is lowest in crude protein; barley, corn, oats or wheat?
- A. Corn
- S. AYHCLM, p. Adv. 302-1 & FCH, p. 71

**TOSS-UP QUESTION – BONUS ATTACHED**

26. Cat. 400 Q. Name three areas of the horse's body where it sweats readily.
- A. Base of the ears                      Neck  
Chest                                      Flanks  
NOT the back
- S. Evans, p. 129

**27. BONUS QUESTION**

- Q. Name the three areas of the horse's skin that are not covered with hair.
- A. Underneath the tail                      Around the genitals  
On the inside of the thighs              Udder
- S. Evans, p. 129

**RESUME OPEN QUESTIONS**

28. Cat. 800 Q. How is body temperature taken in a horse?
- A. With a rectal thermometer
- S. Evans, p. 594

### **Round 3**

#### **Page 8**

29. Cat. 500 Q. Describe the ideal bedding that should be used for a foaling stall.
- A. Bright, clean straw, free of dust, cut in long lengths
- S. Evans, p. 417 & FCH, p. 243
30. Cat. 1000 Q. Explain the difference between a noseband and a cavesson.
- A. Noseband = piece of the bridle that encircles the muzzle, attached to the cheekpieces.  
Cavesson = noseband with a poll strap
- S. Equus Glossary 274
31. Cat. 400 Q. What is the normal color of a horse's urine?
- A. Clear yellow to orange
- S. CAHA, p. 68

#### **LAST QUESTION IN MATCH**

32. Cat. 900 Q. What is a pre-purchase exam?
- A. It is an exam made by a veterinarian to determine the overall soundness and health of a horse prior to a sale transaction.
- S. AYHCLM, p. Adv. 324-1L

#### **END ROUND THREE**

## 2000 EASTERN NATIONAL 4-H HORSE ROUND-UP

### Round 4

#### BEGIN ONE-ON-ONE

1. Cat. 500 Q. What care should be given to the navel stump of a new born foal?  
  
A. It should be dipped in a tincture of iodine. (2% - 10%) or Nolvasan Chlorahex  
  
S. Evans, p. 427 & FCH, p. 250
  
2. Cat. 800 Q. What is the best way to control bleeding of a leg wound?  
  
A. By applying a pressure bandage  
  
S. Evans, p. 609
  
3. Cat. 900 Q. What part of the horse's foot grows the fastest?  
  
A. The toe  
  
S. Evans, p. 721
  
4. Cat. 1000 Q. What type of saddle am I describing? This saddle has high "thigh rolls" located near the front of the saddle which keeps the rider firmly in place. It usually has no horn, and is popular with trail riders.  
  
A. Australian Stock, Out-Back saddle or Poley  
  
S. AYHCLM, Beg. 108-2L & HHH, p. 1100-4

**Round 4**

**Page 2**

5. Cat. 200 Q. Prior to 1908, the American Jockey Club registered two other breeds of horse besides the Thoroughbred. What two breeds were they?
- A. The Arabian and Anglo-Arab
- S. Evans, p. 17
6. Cat. 600 Q. At weaning time, most foals six months of age should be fed a diet containing what protein level?
- A. 14 % - 14 1/2%
- S. Evans, p. 220 & FCH, p. 265
7. Cat. 1000 Q. What type of bit acts like a snaffle and curb combined into one mouthpiece?
- A. Pelham
- S. AYHCLM, Beg. 108-3L & HH, p. 1100-10
8. Cat. 100 Q. What group of people were responsible for the development of many of the American breeds of horses?
- A. The early colonists of the East Coast
- S. Evans, p. 7

**Round 4**  
**Page 3**

9. Cat. 400 Q. Where is the hoof wall thickest?
- A. At the toe and becomes thin at the quarters
- S. Evans, p. 695
10. Cat. 900 Q. What should be the primary consideration of any equine facility?
- A. Safety
- S. Evans, p. 753
11. Cat. 700 Q. Give two advantages of using a complete pelleted feed.
- |                                |  |
|--------------------------------|--|
| A. Decreased feed waste        | Easier to transport                    |
| Economy of space in storage    | Reduced dust                           |
| Better feed efficiency         | Beneficial for horses w/ poor teeth    |
| Decrease colic in older horses | Contains all vitamins – no sifting out |
- S. Evans, p. 280
12. Cat. 600 Q. Describe the “ideal” withers.
- A. Sharp, prominent and well-defined
- S. AYHCLM, p. Adv. 323-2L

**END ONE-ON-ONE**

**BEGIN OPEN QUESTIONS**

13. Cat. 400 Q. What does respiration rate refer to?
- A. The number of breaths taken per minute
- S. AYHCLM, p. Adv. 325 –1L & HH 810 & CAHA, p. 67
14. Cat. 300 Q. The word “pinto” is derived from a Spanish word that means what?
- A. Paint, painted or spotted
- S. Evans, p. 46

**TOSS-UP QUESTION – BONUS ATTACHED**

15. Cat. 800 Q. When can a horse with a fractured limb be moved?
- A. After a splint has been applied.
- S. Evans, p. 610
16. **BONUS QUESTION**
- Q. The gastrointestinal tract of the horse has many functions. Name four.
- |                            |                            |
|----------------------------|----------------------------|
| A. Ingestion of feedstuffs | Grinding of feedstuffs     |
| Mixing of feedstuffs       | Digestions of feedstuffs   |
| Absorption of feedstuffs   | Elimination of solid waste |
- S. Evans, p, 118, 119 & FCH, p. 4,5

## RESUME OPEN QUESTIONS

17. Cat. 700 Q. What happens when hay is baled with a moisture level of 30%?
- A. The hay will become moldy. Will also heat up and loose vitamins & decrease protein digestibility. Spontaneous combustion.
- S. AYLHCLM, p. Adv. 337-2L, FCH, p. 115 & HH 750
18. Cat. 400 Q. What part of the horse lies between the withers and the point of the shoulder?
- A. The shoulder, thorax, scapula
- S. CAHA, p. 1 & FCH, p. 120
19. Cat. 600 Q. A flatter and more level croup results in what type of hind leg action?
- A. More vertical hind leg action
- S. AYLHCLM, p. Adv. 323-2L

### TOSS-UP QUESTION – BONUS ATTACHED

20. Cat. 700 Q. Name three paths of physiological water loss from a horse's body.
- A. Feces                      Urine  
Sweat                        Respiration
- S. Evans, p. 245 & FCH, p. 3,4

## Page 6

## 21. BONUS QUESTION

Q. Give four examples of “Striding Leg Interference.”

A. Forging	Cross-firing
Scalping	Speedy cutting
Shin hitting	

S. Evans, p. 179

## RESUME OPEN QUESTIONS

22. Cat. 900 Q. What type of “post & rail” fencing is not suitable for horses?

A. Ornamental dowelled rails = attractive but weak and short-lived for horses

S. Evans, p. 763

23. Cat. 400 Q. Name two locations on the horse where you would find "tactile hairs."

A. Around the eyes  
Around the muzzle

S. CAHA, p. 4

24. Cat. 1000 Q. How do you measure the size of an English saddle?

A. From the saddle nail ( a rivet on the front side of the skirt near the pommel) to the mid-point of the cantle.

S. HHH, p. 1100-3 & HHH, p. 1100-3



**Round 4**

**Page 7**

25. Cat. 600 Q. Explain the difference between “low” ringbone and “high” ringbone.
- A. Low ringbone is at the coffin joint  
High ringbone is at the pastern joint
- S. Equus Glossary 265

**TOSS-UP QUESTION – BONUS ATTACHED**

26. Cat. 900 Q. You are the ring master at a horse show. An animal in the previous driving class lost a shoe. You found it, and notice that its size is a triple zero. What type of equine lost this shoe?
- A. A pony or a horse with a very small foot
- S. Evans, p. 732

**27. BONUS QUESTION**

- Q. Name three other mammals that became extinct from North America about the same time as the horse during the Pleistocene epoch.
- A. Rhinoceros  
Saber-toothed Tiger  
Mastodon
- Camel  
Elephant
- S. Evans, p. 4

**RESUME OPEN QUESTIONS**

28. Cat. 500 Q. What is a “nurse mare”?
- A. A lactating mare that is known for its foster mother qualities. She is readily willing to take on a strange foal and let it nurse.
- S. Evans, p. 428

**Round 4**

**Page 8**

29. Cat. 900 Q. What device is used to keep horses “off the fences” to reduce maintenance and the chance of injury?
- A. Electric wire, when located on top or inside of the other type of fence
- S. Evans, p. 766
30. Cat. 300 Q. In reference to coat colors, what are two common names for a very dark chocolate shade of chestnut?
- A. Liver Chestnut or Black Chestnut
- S. Evans, p. 80
31. Cat. 800 Q. What is the term for the black, waxy substance that builds up in a horse’s sheath?
- A. Smegma
- S. CAHA, p. 5a

**LAST QUESTION IN MATCH**

32. Cat. 1000 Q. When trailering, leg wraps should cover what parts of the horse?
- A. The wraps should extend from the knees or hocks downward, covering the coronet band and the bulbs of the heels.
- S. AYHCLM, Beg. 101-2L & HH, p. 1150-3

**END ROUND FOUR**

## 2000 EASTERN NATIONAL 4-H HORSE ROUND-UP

### Round 5

#### BEGIN ONE-ON-ONE

1. Cat. 1000 Q. Name three areas to which a hackamore applies pressure.  

A. Nose	Face	Jaw
Chin	Poll	Cheeks (not the mouth)

  
S. AYHCLM, Beg. 108-2L & HIH, p. 1100-10
  
2. Cat. 800 Q. What other insect does the adult horse bot fly commonly resemble?  
  
A. Honey Bee  
  
S. AYHCLM, p. Adv. 300-3L
  
3. Cat. 500 Q. What is the correct name for the membranous organ referred to as the "afterbirth"?  
  
A. Placenta  
  
S. Equus Glossary 263, FCH, p. 400 & Evans, p. 340
  
4. Cat. 900 Q. What practice helps to decrease a horse bolting its grain?  
  
A. The placement of several large, round rocks in the feed tub.  
  
S. Evans, p. 183 & FCH, p. 94

**Round 5**

**Page 2**

5. Cat. 700 Q. What type of problem is often associated with grazing a pasture of tall fescue?
- A. Endophyte toxicity/fescue poisoning – caused by a mold producing mycotoxin, which may cause prolonged gestation, thickened placenta, abortion, weak foals, or lack of milk productions in brood mares.
- S. Evans, p. 276 & FCH, p. 352
6. Cat. 400 Q. What is the most flexible region of the vertebral column?
- A. The cervical region
- S. Evans, p. 96
7. Cat. 800 Q. What is the term for a partial or complete blockage of the esophagus, causing an inability to swallow?
- A. Choke
- S. Evans, p. 611 & FCH, p. 93
8. Cat. 800 Q. What is the general term for a bacterial infection circulating throughout the bloodstream?
- A. Septicemia
- S. Equus Glossary 263

**Round 5**

**Page 3**

9. Cat. 900 Q. Where is the “birthplace” of most vices?  
A. In the horse’s stall  
S. Evans, p. 182 & FCH, p. 370
10. Cat. 1000 Q. Where would you find the “twist” on an English saddle?  
A. On the top of the saddle at the junction of the seat and the pommel  
S. HH, p. 1100-2
11. Cat. 600 Q. Explain the difference between “mule ears” and “lop ears.”  
A. Mule ears = ears are long, thick and heavy  
Lop ears = ears carried horizontally to the side  
S. Evans, p. 144
12. Cat. 700 Q. How should sodium chloride be fed in a horse’s diet?  
A. Free choice in the form of block salt or loose salt  
Add to feed mix  
S. Evans, p. 258 & FCH, p. 25

**END ONE-ON-ONE**

**BEGIN OPEN QUESTIONS**

13. Cat. 900 Q. How does freeze branding a gray horse differ from freeze branding a chestnut horse?
- A. Because new hair growth after freeze branding comes in white, when branding a gray horse the freezing iron is applied long enough to kill the hair root, preventing new hair growth.
- S. Equus Glossary 263 & Evans, p. 809
14. Cat. 100 Q. How did the use of the horse differ between the Plains Indians and the East Coast Indians?
- A. The Plains Indians used the horse to hunt for food, as a pack animal to seasonally move the village and for warfare against the white settlers.  
The East Coast Indians primarily used the horse as a pack animal to haul hides to the coast for trade.
- S. Evans, p. 8

**TOSS-UP QUESTION – BONUS ATTACHED**

15. Cat. 400 Q. Under what condition would a horse's teeth make him appear older than he actually is?
- A. When a horse is kept on sandy soil pastures. The sand tends to wear down the teeth at a faster rate than normal wear.
- S. Evans, p. 93
16. **BONUS QUESTION**
- Q. Blood cells have five classifications. Name four.
- |                |              |
|----------------|--------------|
| A. Eosinophils | Erythrocytes |
| Monocytes      | Neutrophils  |
| Thrombocytes   | Lymphocytes  |
| Basophiles     | Leukocytes   |
- S. Evans, p. 117

**RESUME OPEN QUESTIONS**

17. Cat. 500 Q. What is the main purpose of the myometrium?
- A. It is the muscular layer responsible for the powerful contractions which expel the foal at birth.
- S. AYHCLM, p. Adv. 326-1L & HH 910 & Evans, p. 341
18. Cat. 200 Q. This type of horse never had a breed registry established, but it was the only "heavy type" of horse developed in the eastern United States. What is its name?
- A. The Conestoga Horse
- S. Evans, p. 9
19. Cat. 400 Q. What is the name for the motion that forces food through the digestive tract?
- A. Peristalsis
- S. Equus Glossary 271

**TOSS-UP QUESTION – BONUS ATTACHED**

20. Cat. 800 Q. When removing a shoe from a horse, describe how the "pull offs" are properly used.
- A. Insert the jaws of the pull offs under one heel of the shoe. Close the handles and pull down toward the toe and in toward the center of the foot. Work the pull offs gradually toward the toe on first one branch of the shoe and then the other until the shoe works loose from the foot.
- S. AYHCLM, p. Adv. 321-1L

## Page 6

## 21. BONUS QUESTION

Q. Terms for gaits are sometimes synonymous. Give the other name for each of the following gaits; trot, lope, slow gait and rack.

A. Trot = Jog  
Lope = Canter  
Slow Gait = Stepping Pace  
Rack = Single Foot

S. Evans, p. 172

## RESUME OPEN QUESTIONS

22. Cat. 700 Q. What three pieces of information must a feed tag contain?

A. Minimum Crude Protein \_\_\_\_\_ Date \_\_\_\_\_  
Crude Fat \_\_\_\_\_  
Maximum Fiber Level \_\_\_\_\_

S. Evans, p. 281 & FCH, p. 91

23. Cat. 600 Q. In reference to conformation, describe a horse that “walks downhill.”

A. The height at the hip is higher than the height of the withers.

S. Evans, p. 135

24. Cat. 300 Q. In reference to color inheritance, there are six modifications of the black coat color, all of which have black points except one. What color does not have black points?

### A. Perlino

S. Evans, p. 473



**Round 5**

**Page 7**

25. Cat. 900 Q. What is the term for the type of behavior when horses huddle together during inclement weather?
- A. Contactual Behavior or herding
- S. Evans, p. 673

**TOSS-UP QUESTION – BONUS ATTACHED**

26. Cat. 900 Q. What is the term for the contamination of soil or groundwater by potentially harmful materials that come from the general area or community, rather than a single commercial or industrial source?
- A. Nonpoint Pollution
- S. Equus Glossary 270

**27. BONUS QUESTION**

- Q. Name four disadvantages of an automatic waterer.
- A. Initial expense                      Malfunction  
Horses may play with waterer, causing water spillage  
Neglect, not cleaned or maintained regularly  
Excessive water intake when horse is hot  
No way to monitor water intake of a horse  
Electrical shock
- S. Evans, p. 284 & 774

**RESUME OPEN QUESTIONS**

28. Cat. 600 Q. What is a broken crest?
- A. When a horse has an excessive, thick crest that lops to the side
- S. Evans, p. 145

## **Round 5**

### **Page 8**

29. Cat. 300 Q. What color are a horse's hooves at birth?
- A. They are usually white.
- S. Evans, p. 82
30. Cat. 800 Q. What is the term used for an acute, massive, often fatal allergic reaction to an antigen?
- A. Anaphylactic Shock
- S. Equus Glossary 271
31. Cat. 400 Q. What part of the eyeball allows light to pass through to the lens?
- A. Cornea
- S. Equus Glossary 267

### **LAST QUESTION IN MATCH**

32. Cat. 1000 Q. Two part question. In reference to packing, describe a "half-breed" and explain how it is used.
- A. A heavy canvas or poly-cover used over the saddle, with a heavy wooden bar at the bottom. It provides extra padding and holds the pack away from the animal's sides.
- S. AYHCLM, Beg. 118-1L & HH 1125-1

### **END ROUND FIVE**

## 2000 EASTERN NATIONAL 4-H HORSE ROUND-UP

### Round 6

#### BEGIN ONE-ON-ONE

1. Cat. 600 Q. In reference to "Supporting Leg Interference", explain the difference between "brushing" and "striking."  
  
A. Brushing = when contact between interfering legs is slight  
Striking = when interference results in an open wound  
  
S. Evans, p. 179
  
2. Cat. 400 Q. Name two places where the pulse of a horse can be felt using your fingers.  
  
A. Facial artery (under the jaw)  
Transverse facial artery (just below the eye)  
Lateral dorsal metatarsal artery (on hind leg on inside of cannon bone)  
Digital arteries (along the fetlock next to the deep digital flexor tendon)  
  
S. CAHA, p. 6
  
3. Cat. 1000 Q. Which snaffle bit is more severe; an egg-butt with a mouth piece as thick as your pinkie, or a dee-ring with a mouth piece as thick as your thumb?  
  
A. The egg-butt with the thinner mouth piece  
  
S. AYHCLM, Beg. 108-3L & HH, p. 1100-10
  
4. Cat. 800 Q. What is the name for the disease-fighting substance produced by the immune system in response to the presence of an antigen?  
  
A. Antibody  
  
S. Equus Glossary 271

## Round 6

### Page 2

5. Cat. 500 Q. What is the primary function of FSH in the stallion?
- A. Stimulates spermatogenesis or the production of sperm
- S. AYHCLM, p. Adv. 327-1L & HH 290
6. Cat. 900 Q. Give two purposes of a farrier's apron.
- A. Protect farrier against nail cuts  
Protect against heat when working at the forge  
Provide barrier between horse and farrier for dirt, wet, etc.  
Hold small tools
- S. Evans, p. 727
7. Cat. 400 Q. A 1000 pound horse voids how many quarts of urine daily?
- A. 1 ½ to 8 ½ quarts daily, with volume depending on quantity of water consumed, type of feed, amount of work and the environmental temperature.
- S. CAHA, p. 68
8. Cat. 900 Q. Two part question. On what side of the post should fence boards be nailed and why?
- A. They should be nailed on the inside (the side to which the horse is housed) This way horse cannot "pop" the boards off the post when leaning against the fence
- S. Evans, p. 762

**Round 6**

**Page 3**

9. Cat. 1000 Q. Why may putting a blanket on a horse with a winter coat actually make the horse colder rather than warmer?
- A. A horse's winter coat traps body heat between the hair fibers. Placing a blanket on the horse may actually compress the insulating hair fibers, eliminating the air layer and reducing the horse's natural protection against the cold.
- S. AYHCLM, Int. 204-2L
10. Cat. 600 Q. Roughened hair, nicks and scars on the inside of the fetlock are evidence of what?
- A. That the horse may interfere when in motion
- S. Evans, p. 150
11. Cat. 700 Q. Hay that is beige in color can be indicative of what two factors?
- A. That the hay has been either sun-bleached or leached of nutrients by rainfall that occurred after the cutting or prolonged storage.
- S. AYHCLM, p. Adv. 337-1L, FCH, p. 68 & HIH 750
12. Cat. 800 Q. Other than radiographs, what is the best method of diagnosing Navicular Disease?
- A. The use of "hoof testers" is the best method
- S. AYHCLM, p. Adv. 334-2L

**END ONE-ON-ONE**

## Round 6

### Page 4

#### BEGIN OPEN QUESTIONS

13. Cat. 700 Q. Hay that has been properly cured and stored contains approximately what percentage of moisture?
- A. 9-15% (not to exceed 15% or go below 9%)
- S. AYHCLM, p. Adv. 302-1L & FCH, p. 114
14. Cat. 800 Q. Give the common name for the fly that feeds on the mucous secretions from a horse's eyes and nostrils.
- A. Face Flies
- S. AYHCLM, p. Adv. 300-1L & Evans, p. 642

#### TOSS-UP QUESTION – BONUS ATTACHED

15. Cat. 300 Q. In reference to roan horses, name two areas of the body that may be more solid-colored than roaned?
- A. The head, neck, lower legs, mane and tail
- S. Evans, p. 81
16. **BONUS QUESTION**
- Q. Give three anatomical defects associated with a horse's knees, and explain each.
- A. Bowlegged = the entire knee is in an outward deviation as viewed from the front.  
Knock-kneed or close-kneed = the entire knee is set to the inside of a straight line from chest to toe.  
Bench knees or offset knees = the cannon bones are set too far to the outside of the knees.  
Buck-kneed or Over at the Knee = forward deviation, with knee set too far forward in relation to the leg.  
Calf-kneed or Back at the Knee = the knees bend backward (hyperextend).
- S. AYHCLM, p. Adv. 323-3,4L

**Round 6**  
**Page 5**

**RESUME OPEN QUESTIONS**

17. Cat. 400 Q. Two part question. Which are the smallest of the blood vessels and what do they connect?
- A. Capillaries, and they connect arteries with veins
- S. Equus Glossary 272
18. Cat. 600 Q. A supple horse uses what part of its body to aid in balance and stability?
- A. The head and neck
- S. Evans, p. 141
19. Cat. 800 Q. In reference to founder, which tendon is involved in the rotation of the coffin bone?
- A. The deep flexor tendon or deep digital tendon
- S. Equus Glossary 271

**TOSS-UP QUESTION – BONUS ATTACHED**

20. Cat. 100 Q. What is the name for the rapidly growing equestrian job field that emphasizes conditioning, measuring fitness, and improving injury rehabilitation techniques?
- A. Equine Sports Medicine
- S. Evans, p. 12

## Round 6

### Page 6

#### 21. BONUS QUESTION

Q. Two part question. Name three “synthetic breeds” and identify the established breeds they were derived from.

A. Americana Pony = Shetland & Hackney to produce miniature Saddlebred  
American Walking Pony = Tennessee Walking Horse & Welsh Pony  
American Quarter Pony = small Quarter Horses  
Ashland Pony = Chincoteague, Shetland & Chickasaw  
Walking Pony = small Tennessee Walking Horses  
Trottingbred Pony = Standardbred, Shetland, Hackney & Welsh  
Miniature Horse = Shetland, Falabellas  
Thoroughbred = Thoroughbred, Percheron  
National Show Horse = American Saddlebred, Arabian  
Morab = Morgan, Arabian

S. Evans, p. 66 & 67

#### RESUME OPEN QUESTIONS

22. Cat. 500 Q. What is “genetic influence”?

A. Genetic influence is that portion of characteristics or traits passed from parent to offspring.

S. AYHCLM, p. Adv. 335-1L

23. Cat. 900 Q. A base narrow horse will wear its feet unevenly. What part of the foot needs to be rasped more to bring the foot level?

A. The inside wall of the foot

S. Evans, p. 721 & CAHA, p. 39

24. Cat. 400 Q. What do the “irregular bones” protect in the horse?

A. The central nervous system, spinal chord/column

S. Evans, p. 90 & CAHA, p. 7



## Round 6

### Page 7

25. Cat. 900 Q. Two part question. What are the two basic types of hammers used by a farrier and how are they used?

A. Rounding Hammer = used for making and shaping shoes  
Driving Hammer = used for driving nails and forming and finishing the clinches. The claws of the driving hammer are used for wringing off the nails.

S. Evans, p. 728

### TOSS-UP QUESTION – BONUS ATTACHED

26. Cat. 200 Q. In what area of the World did the Barb originate?

A. In northern Africa (the Barbary States)

S. Evans, p. 17

### 27. BONUS QUESTION

Q. Give four signs of “salt poisoning.”

A. Colic	Diarrhea
Frequent Urination	Weakness
Staggering	Paralysis of the Hind Limbs
Excessive Thirst	

S. Evans, p. 236 & FCH, p. 26

### RESUME OPEN QUESTIONS

28. Cat. 800 Q. What hoof disease is caused by hoof digesting fungi?

A. White Line Disease

S. AYHCLM, p. Adv. 334-1L

**Round 6**

**Page 8**

29. Cat. 600 Q. In what age group of horses is epiphysitis associated with?
- A. Young horses                      Physically immature horses  
Weanlings                              Yearlings
- S. Evans, p. 163 & FCH, p. 388
30. Cat. 700 Q. What is the chief form in which carbohydrates are stored in the horse's body?
- A. Glycogen
- S. Equus Glossary 264 & FCH, p. 391
31. Cat. 800 Q. What is a "larvacide"?
- A. An insecticide designed to kill the larvae of parasites such as flies.
- S. AYHCLM, p. Adv. 300-2L

**LAST QUESTION IN MATCH**

32. Cat. 900 Q. Two part question. In the northern part of the U.S., to which direction should the open side of a run-in shed face and why?
- A. To the south , to take advantage of the low winter sun.
- S. Evans, p. 772

**END ROUND SIX**

## 2000 EASTERN NATIONAL 4-H HORSE ROUND-UP

### Round 7

#### BEGIN ONE-ON-ONE

1. Cat. 700 Q. Name two ways that grain for young horses or horses with poor teeth be processed?  
  
A. Cracked                      Crimped                      Rolled  
    Steamed                      Soaked                      Extruded  
  
S. Evans, p. 201 & FCH, p. 75
  
2. Cat. 1000 Q. What piece of equipment needs to be used with a running martingale to prevent the martingale from interfering with the bit?  
  
A. Martingale/Rein "Stops"  
  
S. HH, p. 1100-12
  
3. Cat. 800 Q. What is the name for the condition when a cloudiness of the lens in the eye occurs, often resulting in blindness?  
  
A. Cataracts  
  
S. AYHCLM, p. Adv. 335-3L
  
4. Cat. 900 Q. What is a "breeding shed"?  
  
A. A specialized building where mares are bred. More elaborate buildings have mare exam facilities, an observation room, a dummy mare for AI collection and a lab for semen evaluation and extension.  
  
S. Evans, p. 781

**Round 7**

**Page 2**

5. Cat. 300 Q. What is the term used for a horse who is almost entirely white except for colored areas over the ears and perhaps the eyes, chest and base of the tail?
- A. Medicine Hat
- S. Equus Glossary 263
6. Cat. 700 Q. Why is it recommended to feed a horse two or three times a day instead of once?
- A. Because the horse has a relatively small stomach. Overeating can produce colic. Prevention of gastric ulcers.
- S. Evans, p. 202 & FCH, p. 151
7. Cat. 1000 Q. What strap is seen on a western bridle that is not seen on a snaffle bridle?
- A. Curb strap
- S. HHH, p. 1100-8
8. Cat. 400 Q. What is the physiological term for a shortening of the muscle fibers?
- A. Contraction
- S. Evans, p. 99

**Round 7**

**Page 3**

9. Cat. 800 Q. Give two other common names for the “Biting Midge.”
- A. Punkies or No-See-Ums
- S. AYHCLM, Adv. 300-1L
- 
10. Cat. 800 Q. What (2) things does hosing a leg wound with cold water do?
- A. It soothes the site and helps decrease pain  
The cold helps constrict vessels and control bleeding  
The high volume of water and gentle action of the water  
pressure helps cleanse the wound and allows you to get a  
complete look at it without having to touch the wound.
- S. Evans, p. 609
- 
11. Cat. 900 Q. In reference to a machine, what is a hot walker?
- A. It is a mechanical device that leads horses in a circle at a slow  
walk in order to cool them after workouts.
- S. Evans, p. 784
- 
12. Cat. 1000 Q. It is important that the fit of a saddle be accurate over  
what part of the horse?
- A. Across the withers
- S. AYHCLM, Beg. 108-1L & HH, p. 1100-3

**END ONE-ON-ONE**

**BEGIN OPEN QUESTIONS**

13. Cat. 600 Q. What type of hernia only occurs in a male horse?
- A. Scrotal hernia
- S. Evans, p. 168
14. Cat. 700 Q. You have just purchased a truck load of grass hay and would like to have it tested for nutrient content. Explain how you would go about obtaining a sample for analysis.
- A. Use a hollow bale probe or core 12 to 18 inches long, 3/8 inch diameter  
Take samples from a minimum of 20 bales  
Take one core drilling from the end of each bale  
Place all drillings into one clean, plastic bucket  
Mix samples together thoroughly  
Put one quart of mixed hay in a plastic bag and send to laboratory.
- S. AYHCLM, p. Adv. 337-2L, FCH, p. 114-115 & HH 750

**TOSS-UP QUESTION – BONUS ATTACHED**

15. Cat. 400 Q. Where on a bone would you NOT find the periosteum?
- A. At their points of articulation.
- S. Evans, p. 90 & CAHA, p. 9
16. **BONUS QUESTION**
- Q. Name four circumstances that can influence the onset of laminitis.
- |                            |                                      |
|----------------------------|--------------------------------------|
| A. Colic                   | Excessive Grain Intake               |
| Changes in Feed Type       | Enterotoxemia                        |
| Changes in Feeding Routine | Excessive Foot Concussion or Fatigue |
| Sudden Weather Changes     | Infections                           |
| Poisons                    | Drug Abuse                           |
| Allergies                  | Distocia                             |
| Lush pasture               | Retained placenta                    |
- S. AYHCLM, p. Adv. 334-2L

**RESUME OPEN QUESTIONS**

17. Cat. 600 Q. Explain the difference between the “stance phase” of a leg and the “swing phase” of the same leg.
- A. Stance phase = when the limb is on the ground  
Swing phase = when the limb is not in contact with the ground
- S. Evans, p. 169
18. Cat. 500 Q. In reference to the “System for Scoring of Behavioral Estrus in Mares,” what are the behavior characteristics of a mare who is scored a “1”?
- A. Not aggressive toward the stallion, but looks away or is not interested.
- S. AYHCLM, p. Adv. 336-1L & Evans, p. 323
19. Cat. 800 Q. What is meant by “biological control” of a pest, such as flies.
- A. It is a non-chemical approach to fly control using parasitic wasps. They oviposit their eggs in the fly puparia and the wasp larvae kill and consume the developing fly. Can also use fungus or bacteria.
- S. AYHCLM, p. Adv. 300-2L

**TOSS-UP QUESTION – BONUS ATTACHED**

20. Cat. 700 Q. Two Part Question. Explain how plant maturity of a grass hay and a legume hay is visually determined.
- A. It is determined by the amount of seed heads of grasses or flowers of legumes present at the time of harvest.
- S. AYHCLM, p. Adv. 337-1L, FCH, p. 68,69 & HIH 750

**21. BONUS QUESTION**

Q. Name four features of good pasture management.

A. Test soil to determine needed lime and fertilizer  
Be sure not to overgraze  
Rotate pastures  
Mow pastures to prevent plants from becoming mature & control weeds  
Scatter manure piles  
Keep pasture free of mechanical hazards  
Keep pasture free of weeds and noxious plants  
Keep horses out of pasture during extreme wet weather to avoid damage

S. Evans, p. 274, 275 & FCH, p. 106-108

**RESUME OPEN QUESTIONS**

22. Cat. 1000 Q. You are looking to purchase an English saddle for your 6 foot tall father who wants to trail ride. There is a 14" all purpose saddle advertised in the local paper. Will this saddle be adequate for your father? Explain your answer.

A. The type - "all purpose" will work, however, the saddle is too small in size. An adult of that size would need a 16" to 18" saddle.

S. HIH, p. 1100-3

23. Cat. 400 Q. How many "milk teeth" does a six month old foal have?

A. 24 milk teeth

S. Evans, p. 92 & FCH, p. 178

24. Cat. 100 Q. Although the precise date of domestication of the horse remains unknown, what serves as the first "recorded" record of man's dependence on the horse? These records date back to the most ancient of times?

A. The paintings found on the walls of numerous caves throughout the Old World.

S. Evans, p. 5



**Round 7**

**Page 7**

25. Cat. 1000 Q. What type of reins are covered with a pebble surface over the hand grip portion and are used in racing to provide a secure grip?
- A. Rubber reins
- S. AYHCLM, Beg. 108-2L & HH, p. 1100-6

**TOSS-UP QUESTION – BONUS ATTACHED**

26. Cat. 800 Q. In addition to markings, give two other *visual means of horse identification* that can be found on the diagram of a Coggins Test paper?
- A. Muscular dimples/defects                      Scars  
Cowlicks (hair whorls)                      Brands
- S. Evans, p. 80

**27. BONUS QUESTION**

- Q. Other than poor quality feed, give four causes for a thin mare.
- A. Excessive infestation of parasites  
Milk production  
Hard work – using more energy than energy intake  
Poor teeth  
Too much competition from other horses in a group feeding situation  
Malabsorption – gastrointestinal tract disease  
Prolonged hot & humid weather  
Disease                      Starvation

- S. Evans, p. 296

**RESUME OPEN QUESTIONS**

28. Cat. 400 Q. What bones comprise the fetlock joint?
- A. Long pastern, cannon and sesamoid bones - proximal not distal
- S. Equus Glossary 266 & CAHA, p. 14

## **Round 7**

### **Page 8**

29. Cat. 200 Q. According to the American Horse Council, what breed of horse is the most popular in the United States?
- A. The Quarter Horse
- S. Evans, p. 137
30. Cat. 500 Q. What type of gene causes the distinctive curly coat of the American Bashkir Curly?
- A. A homozygous recessive gene
- S. Evans, p. 57
31. Cat. 600 Q. Why is it important for a horse's throatlatch to be refined and trim?
- A. To allow the horse to flex at the poll and perform while breathing correctly.
- S. AYHCLM, p. Adv. 323-2L

### **LAST QUESTION IN MATCH**

32. Cat. 900 Q. When having to haul a mare and a stallion in the same trailer, what substance can be used to help prevent the stallion from smelling the mare?
- A. Vicks Vaporub rubbed into the nostrils of the stallion
- S. Evans, p. 816

### **END ROUND SEVEN**

## 2000 EASTERN NATIONAL 4-H HORSE ROUND-UP

### Round 8

#### BEGIN ONE-ON-ONE

1. Cat. 400 Q. Shivering is what type of involuntary physiological response?  
A. Spasmodic muscle contraction  
S. Evans, p. 104
  
2. Cat. 600 Q. Describe a "coarse" head.  
A. Large Roman nosed  
Small eye Large ears  
Thick muzzle Thick throat latch  
S. Evans, p. 141
  
3. Cat. 1000 Q. The McClellan saddle is single-rigged. What does this mean?  
A. That it only has one girth  
S. AYHCLM, Beg. 118-1L & HH 1125-1
  
4. Cat. 900 Q. Name the three classifications of vices.  
A. Dangerous to man  
Dangerous to the horse  
Nuisance habits  
S. Evans, p. 182

## Round 8

### Page 2

5. Cat. 1000 Q. What type of material is a true Navajo blanket made from?

A. Wool

S. HHH, p. 1100-5

6. Cat. 500 Q. What is a common method of diagnosing pregnancy in the mare?

A. Rectal palpation, ultrasound

S. Evans, p. 346

7. Cat. 800 Q. In reference to a horse's foot, where would you find a corn?

A. In the heel area of the sole.

T. AYHCLM, p. Adv. 334-1L

8. Cat. 600 Q. Where does the most unsoundness from concussion and trauma occur in the horse?

A. In the front legs

S. Evans, p. 145

**Round 8**

**Page 3**

9. Cat. 800 Q. What is the term for the presence of blood in the respiratory tract of the horse after exercise?
- A. Exercise Induced Pulmonary Hemorrhage (EIPH), Epistaxis or Bleeder
- S. AYHCLM, p. Adv. 325-2 & HH 810
10. Cat. 1000 Q. Why is important to keep a pack saddle from sliding backwards?
- A. So that it doesn't rest on the horse's kidneys or lumbar region.
- S. AYHCLM, Beg. 118-2L & HH 1125-2
11. Cat. 600 Q. What thoracic characteristics are desirable in a brood mare?
- A. good spring of rib and a deep depth of heart girth be important?
- S. AYHCLM, p. Adv. 323-3L
12. Cat. 700 Q. Protein is composed of a chain of smaller units call what?
- A. Amino Acids
- S. Evans, p. 219 & FCH, p. 380

**END ONE-ON-ONE**

**BEGIN OPEN QUESTIONS**

13. Cat. 800 Q. What is “proud flesh”?
- A. Excess granulation tissue
- S. Equus Glossary 264
14. Cat. 300 Q. Which draft breed registers more horses each year than all other draft breeds?
- A. The Belgian
- S. Evans, p. 69

**TOSS-UP QUESTION – BONUS ATTACHED**

15. Cat. 500 Q. Explain the difference in the parentage of a mule and a hinny.
- A. Mule = jack (male donkey) X mare (female horse)  
Hinny = jennet (female donkey) X stallion (male horse)
- S. Evans, p. 76

**16. BONUS QUESTION**

- Q. Give three possible causes of anemia.
- |                        |                            |
|------------------------|----------------------------|
| A. Excessive Bleeding  | Dietary Deficiency         |
| Infection              | Presence of Toxins in Body |
| Chronic disease        | Lack of iron               |
| Incompatible Rh factor | Parasitism                 |
- S. Equus Glossary 266 & FCH, p. 380

**RESUME OPEN QUESTIONS**

17. Cat. 600 Q. Two part question. Identify the following gait and in what breed of horse is it seen? The gait starts out as a simple trot; the diagonal feet leave the ground at the same time. The back diagonal foot however, comes down later than the front foot. This makes a four-beat gait instead of the hard two-beat square trot. The back foot does not come down in a hard step, but actually appears to slide a little bit or contact the ground softly. The body is rising in front and lowering behind in unison.
- A. The gait is the Fox Trot and the breed is the Missouri Fox Trotter
- S. Evans, p. 42
18. Cat. 300 Q. Your Paint horse has two solid legs and two white stockings. His face has a wide blaze, and the white body markings are irregularly spotted. What type of spotting pattern does this horse have?
- A. The Overo pattern
- S. Evans, p. 47
19. Cat. 400 Q. Two part question. The heart is composed of how many chambers? – Name them.
- A. Four
- |                |                 |
|----------------|-----------------|
| Left Ventricle | Right Ventricle |
| Left Atrium    | Right Atrium    |
- S. Evans, p. 111 & CAHA, p. 57,58

**TOSS-UP QUESTION – BONUS ATTACHED**

20. Cat. 800 Q. In reference to the circulatory system, explain the difference between Diastolic and Systolic pressure.
- A. Diastolic pressure = pressure against arterial walls during relaxation of the heart  
Systolic pressure = pressure against arterial walls during contraction of the heart
- S. Equus Glossary 271

**21. BONUS QUESTION**

Q. Give four criteria that must be met if an “identification system” for horses is to be successful.

A. Marks used must be:

visible from a distance  
permanent  
painless  
unalterable

inexpensive  
easy to apply  
nondamaging  
adaptable to data retrieval

S. Evans, p. 804

**RESUME OPEN QUESTIONS**

22. Cat. 900 Q. Two part question. You have just purchased a bay Arabian mare. Under her mane is a white brand with numerous characters comprised of bars and angles. What type of brand is this, and what do the characters signify?
- A. It is a freeze brand (Y-TeX Corporation’s system) – each symbol represents a number, the entire brand gives the year the horse was born and its’ registration number.
- S. Equus Glossary 263 & Evans, p. 810
23. Cat. 400 Q. Two part question. How many bones compose the forearm of the horse and what are their names?
- A. Two the Radius and the Ulna
- S. Evans, p. 684 & CAHA, p. 10
24. Cat. 700 Q. What is considered to be the most common form of malnutrition in horses in the United States?
- A. Obesity or too much feed
- S. Evans, p. 218 & FCH, p. 152



25. Cat. 600 Q. A horse that is predisposed to landing on the outside of its hoof walls stands on what type of base?

A. Base-narrow

S. AYHCLM, p. Adv. 323-3L

**TOSS-UP QUESTION – BONUS ATTACHED**

26. Cat. 900 Q. How would you determine if a trailer is tall enough for a specific horse to be safely transported in it?

A. The height of the trailer should be 10 inches taller than the normal resting position of the horse's head.

S. AYHCLM, p. Adv. 301-1L

**27. BONUS QUESTION**

Q. Name four genetic diseases caused by a single or few genes.

A. Combined Immunodeficiency (CID)	Hemophilia A
Hyperkalemic Periodic Paralysis (HyPP)	
Myotonic dystrophy	Parrot mouth
Lethal white foal syndrome	Cataracts
Laryngeal hemiplegia	Cerebellar ataxia
Connective tissue disease	Hydrocephalus
Inguinal hernias	Umbilical hernias
Hereditary multiple exostosis	Epitheliogenesis imperfecta

S. AYHCLM, p. Adv. 335-3L

**RESUME OPEN QUESTIONS**

28. Cat. 700 Q. What is the primary sign of an iron deficiency in the horse?

A. Anemia

S. Evans, p. 233

## Round 8

### Page 8

29. Cat. 100 Q. Where is the office of the American Horse Council located?
- A. Washington, D.C.
- S. Evans, p. 84
30. Cat. 400 Q. Two part question. What is the “stay mechanism” and what is its purpose?
- A. The stay mechanism is a function where the joints of the extremities are locked in position by a system of muscles and ligaments. It allows the horse to rest in an upright position without falling down.
- S. Evans, p. 708 & CAHA, p. 21,36
31. Cat. 800 Q. Two part question. What is Equine Piroplasmosis and how is it transmitted?
- A. It is a contagious blood disease of horses, usually transmitted by ticks.
- S. Equus Glossary 265

### LAST QUESTION IN MATCH

32. Cat. 900 Q. What are three primary concerns when deciding to keep a horse at home?
- A. Is there enough room to make the animal comfortable?  
Are there zoning restrictions that limit or prevent the keeping of a horse?  
Is there access to trails or other place to ride or do you need a trailer?  
Do you have time to care for the horse on a regular basis?  
Are you financially able to build suitable shelter and fencing?  
How will you dispose of manure?
- S. AYHCLM, p. Adv. 322-1L

### END ROUND EIGHT

## 2000 EASTERN NATIONAL 4-H HORSE ROUND-UP

### Round 9

#### BEGIN ONE-ON-ONE

1. Cat. 600 Q. Describe the motion of a horse that has low, round, thick withers.  
  
A. Generally, the horse will often have a rolling gait and a heavy front end, overall, moving poorly  
  
S. Evans, p. 151
  
2. Cat. 800 Q. What is the name of the medication that improves circulation within the foot? It is often used on horses with Navicular disease.  
  
A. Isoxsuprine  
  
S. AYHCLM, p. Adv. 334-2L
  
3. Cat. 900 Q. What is the name of the structure that allows foals to eat without interference by the mare?  
  
A. Creep Feeder  
  
S. Evans, p. 264 & FCH, p. 268,269
  
4. Cat. 1000 Q. What is the most common type of western reins?  
  
A. Open or Split  
  
S. HIH, p. 1100-8

**Round 9**

**Page 2**

5. Cat. 900 Q. What happens if the “branch” of a shoe is too long?
- A. If on the front, a hind foot may overreach and pull the shoe off  
Behind, usually nothing will happen
- S. Evans, p. 731
6. Cat. 300 Q. On what coat color is dappling most easy to see?
- A. Gray
- S. Evans, p. 81
7. Cat. 700 Q. In areas where the soil has a low available selenium content, what disease can be prevalent in foals if the mares are fed homegrown feeds?
- A. White Muscle disease
- S. Evans, p. 234 & FCH, p. 31,32
8. Cat. 900 Q. What type of metal are racing plates generally made from?
- A. Aluminum
- S. Evans, p. 732

**Round 9**

**Page 3**

9. Cat. 1000 Q. What is another term for a “true hackamore”?
- A. Jaquima
- S. HH, p. 1100-10
- 
10. Cat. 700 Q. Corn infected with aflatoxins can cause damage to what organ of the horse’s body?
- A. The liver
- S. Evans, p. 253 & FCH, p. 360
- 
11. Cat. 1000 Q. What is often added to the blades of a pack saddle to ensure protection of the horse?
- A. Sheepskin lining
- S. AYHCLM, Beg. 118-1L & HH 1125-1
- 
12. Cat. 500 Q. Two part question. How many hours of light are necessary per day to bring a mare into heat prior to the normal breeding season, and what other function does this increased amount of light initiate?
- A. Need 16 hours of light for the onset of the estrus cycle, and it also initiates the process of shedding of the winter hair coat.
- S. AYHCLM, p. Adv. 336-2L

**END ONE-ON-ONE**

**BEGIN OPEN QUESTIONS**

13. Cat. 600 Q. What is the main role of the hindquarters in locomotion?
- A. To provide propulsion
- S. Evans, p. 152
14. Cat. 400 Q. Three part question. In general, what is a hormone, where is it produced, and what is its' function?
- A. A hormone is a biochemical  
Produced by a gland or organ  
Used to stimulate or regulate a physiological body process
- S. Equus Glossary 271

**TOSS-UP QUESTION – BONUS ATTACHED**

15. Cat. 1000 Q. Name three different types of English saddle pad.
- |              |                            |
|--------------|----------------------------|
| A. Sheepskin | Imitation Sheepskin/Fleece |
| Hair Pad     | Felt Pad                   |
| Foam Pad     | Therapeutic Pad            |
- S. HHH, p. 1100-5

**16. BONUS QUESTION**

- Q. List four considerations when choosing a vehicle to pull a horse trailer.
- |  |                         |
|--|-------------------------|
| A. Size of vehicle   | Electrical system       |
| Engine size  | Type of hitch/ball size |
| Towing capacity  | Brake system            |
| Weight capacity of vehicle (ie. 1/4ton, 3/4ton, 1 ton, etc.) |                         |
| Type, length & weight of trailer to be pulled                |                         |
- S. AYHCLM, p. Adv. 301-1L

20. Cat 100 Q What parts of the skeleton make up the “trunk”?

21. **BONUS QUESTION**

Q. Name five factors that influence the nutritional requirements of a horse.

A. Size of the horse	Breed of the horse
Age of the horse	Lactation
Environment (temperature, weather, etc.)	Type of use or activity
Individual characteristics (metabolic rate)	Gestation

S. AYCHLM, p. Adv. 322-2L & FCH, p. 186,187

**RESUME OPEN QUESTIONS**

22. Cat. 900 Q. Horses in a group are likely to run simply because another horse is running. If the running is not in response to fright, what type of behavior is this?

A. Mimicry or Allelomimetic Behavior

S. Evans, p. 676

23. Cat. 600 Q. A horse that is extremely sickle hocked is prone to what unsoundness of the hock?

A. Curb

S. CAHA, p. 40 & FCH, p. 386

24. Cat. 800 Q. Where does the lungworm spend the final phase of its' life cycle?

A. In the air passages of the lungs

S. Equus Glossary 273



## Round 9

### Page 7

25. Cat. 400 Q. In reference to a horse's leg, explain the difference between the "proximal end" and the "distal end."
- A. Proximal end = end of limb attached to the body  
Distal end = end of limb furthest from the body
- S. CAHA, p. 2

### TOSS-UP QUESTION – BONUS ATTACHED

26. Cat. 900 Q. What is the condition score for the horse being described?  
There is a slight fat cover over the ribs, but the ribs are easily seen. The hook bones appear rounded but visible. The tailhead is prominent. Withers, shoulders and neck are accentuated.
- A. Condition Score is 3
- S. Evans, p. 269

### 27. BONUS QUESTION

- Q. Give four anatomical characteristics of the foot of a horse that suffers from chronic founder.
- A. Rotation of the coffin bone                      Widening of the "white line"  
Sole is flattened and thinner                      Bulging of sole  
Evidence of abnormal growth rings on the hoof  
Front of the hoof wall may have a dished concave shape  
Distance between growth rings at the toe is less than the distance between  
the same growth rings at the quarter of heel  
Toes may curl upward, especially if not kept trimmed
- S. Evans, p. 299

### RESUME OPEN QUESTIONS

28. Cat. 700 Q. What are two physiological functions that will increase the natural intake of salt in a horse's diet?
- A. Sweating and Lactation
- S. Evans, p. 236 & FCH, p. 25,26

## Page 8

- ## LAST QUESTION IN MATCH

- ## END ROUND NINE

## 2000 EASTERN NATIONAL 4-H HORSE ROUND-UP

## Round 10

## BEGIN ONE-ON-ONE

1. Cat. 300 Q. What color is the normal eye of the horse?

A. Brown

S. Evans, p. 82
2. Cat. 900 Q. How many nails are used to hold on a horse shoe?

A. Six to Eight nails

S. Evans, p. 745
3. Cat. 100 Q. What species is the domestic horse?

A. Equus Caballus

S. Evans, p. 13
4. Cat. 400 Q. What part of the horse's digestive tract appears to be the primary site for fat digestion and absorption?

A. The small intestine

S. AYHCLM, p. Adv. 303-1L

**Round 10**

**Page 2**

5. Cat. 500 Q. How is it determined that a stallion has ejaculated while breeding a mare?
- A. Tail flagging (raising and lowering of the tail several times)
- S. Evans, p. 387 & FCH, p. 389
6. Cat. 800 Q. What is an "obligate parasite"?
- A. A parasite that cannot live away from the host.
- S. AYHCLM, p. Adv. 300-1L
7. Cat. 600 Q. About 65% of a horse's weight rests where?
- A. On the horse's forelimbs
- S. AYHCLM, p. Adv. 323-3L
8. Cat. 200 Q. There are two types of Shetland pony. What are they?
- A. Island/classic type – small, drafty sturdy pony with thick coat  
American/modern type – refined, indicating an influx of Hackney
- S. Evans, p. 58

**Round 10**

**Page 3**

9. Cat. 400 Q. Where is the trapezius muscle located in the horse?  
A. On each side of the withers  
S. Equus Glossary 272
10. Cat. 400 Q. In the horse, what type of teeth are permanent and never shed?  
A. The molars or last 3 cheek teeth.  
S. AYHCLM, p. Adv. 304-1L & CAHA, p. 48
11. Cat. 1000 Q. What is the purpose of breeching on a pack saddle?  
A. To hold the saddle back when going downhill  
S. AYHCLM, Beg. 118-1L & HHH 1125-2
12. Cat. 400 Q. What is the term for the profuse sweating of a horse?  
A. Lathering  
S. CAHA, p. 5a

**END ONE-ON-ONE**

## Round 10

### Page 4

#### BEGIN OPEN QUESTIONS

13. Cat. 600 Q. What is the term for the conversion of cartilage or fibrous tissue into bone?
- A. Ossification
- S. Equus Glossary 272 & FCH, p. 398
14. Cat. 200 Q. What is a "Spotted Ass"?
- A. A burro sized ass that has the spotted coat pattern of a pinto. White spots must behind the throat latch and above the knees and hocks to be considered a "spotted marking."
- S. Evans, p. 78

#### TOSS-UP QUESTION – BONUS ATTACHED

15. Cat. 600 Q. Explain the foot fall sequence of a horse on the right lead at the gallop, beginning with contact of the left hind leg with the ground.
- A. Left Hind  
Right Hind  
Left Fore  
Right Fore
- S. Evans, p. 177

#### 16. BONUS QUESTION

- Q. List five items essential for an Equine First Aid Kit.

- |                                  |                      |
|----------------------------------|----------------------|
| A. Telfa-type, nonstick bandages | Scissors             |
| Sheet cotton                     | Thermometer          |
| Leg Quilts                       | Pad & Pencil         |
| Polo or Track bandage            | Phenylbutazone paste |
| Elasticon or adhesive tape       | Vet's phone number   |
| Eye stain and wash               | Vet wrap             |
| Antiseptic soap                  | Twitch               |
| Sterile water                    | Stethoscope          |

- S. AYHCLM, p. Adv. 301-2.

**RESUME OPEN QUESTIONS**

17. Cat. 700 Q. At what stage of growth is hay most easily digested by the horse?
- A. Immature hay, pre-bloom, boot stage
- S. AYHCLM, p. Adv. 337-2L, FCH, p. 68 & HIH 750
18. Cat. 900 Q. What is the name for a variation of keg shoes that are shaped to fit a mule's feet?
- A. Mule Shoes
- S. Evans, p. 732
19. Cat. 800 Q. What condition of the horse's foot is compared to athlete's foot in humans?
- A. Thrush
- S. AYHCLM, p. Adv. 334-1L

**TOSS-UP QUESTION – BONUS ATTACHED**

20. Cat. 400 Q. Where in the horse's body is epinephrine produced?
- A. In the central portion of the adrenal gland.
- S. Equus Glossary 271

**21. BONUS QUESTION**

Q. Name the four modifications of the “black” coat color.

A. Bay	Seal Brown
Buckskin	Dun
Grulla	Perlino

S. Evans, p. 473

**RESUME OPEN QUESTIONS**

22. Cat. 700 Q. Two part question. When does the energy requirement for a brood mare increase, and how much should it be increased by?

A. It should increase the last third of the gestation period, and it should be initially increased approximately 10 % above maintenance and gradually increased throughout the last third until the level is approximately 20% above maintenance.

S. Evans, p. 209 & FCH, p. 411

23. Cat. 500 Q. What is the name for the major muscle that raises and lowers the scrotum?

A. Cremaster

S. AYHCLM, p. Adv. 327-1 & HIH 920 & Evans, p. 355

24. Cat. 1000 Q. In reference to packing, what is a “manta”?

A. It is a piece of canvas that is used to throw over a pack load as a cover to protect it.

S. HIH, p. 1125-3



**Round 10**

**Page 7**

25. Cat. 200 Q. Other than the "German Warm-blood", name three breeds of warm-blood horse that originated in Germany.
- A. Hanoverians Holsteiners  
Trakehners Oldenburgs
- S. Evans, p. 74

**TOSS-UP QUESTION – BONUS ATTACHED**

26. Cat. 700 Q. What is the function of psyllium, the seed of the fleawort?
- A. It serves as a laxative by increasing the bulk and lubrication of the stool
- S. Equus Glossary 270 & FCH, p. 293

**27. BONUS QUESTION**

- Q. Name four visual signs that a mare is not being receptive to a stallion.
- A. Disinterest/ignore Tail switching  
Squealing Striking  
Biting Kicking
- S. AYHCLM, p. Adv. 326-1L

**RESUME OPEN QUESTIONS**

28. Cat. 800 Q. Concerning Equine Infectious Anemia, what specific item does the Coggins Test reveal?
- A. The presence of ANTIBODIES against the EIA virus
- S. Equus Glossary 266

## **Round 10**

### **Page 8**

29. Cat. 400 Q. Horses begin to grow their winter coat in response to what stimulus?
- A. Decrease in daylight hours, NOT decreased temperature
- S. AYHCLM, p. Adv. 304-2L
30. Cat. 900 Q. How is a “pecking order” established in a herd of horses?
- A. Through aggression
- S. Evans, p. 677 & FCH, p. 152
31. Cat. 1000 Q. What is the name for the flexible quirt that is attached to “California-style” reins?
- A. Romal
- S. HIH, p. 1100-8

### **LAST QUESTION IN MATCH**

32. Cat. 400 Q. What causes the “lub-dub” sound of the healthy heart?
- A. The sounds are caused by the rush of blood and the closing of heart valves.
- S. CAHA, p. 58

### **END ROUND TEN**

## 2000 EASTERN NATIONAL 4-H HORSE ROUND-UP

### Round 11

#### BEGIN ONE-ON-ONE

1. Cat. 700 Q. Why would the urine of horses fed legume hay smell stronger than the urine of horses fed grass hay?  
  
A. Because of the higher level of ammonia  
  
S. Evans, p. 256
  
2. Cat. 500 Q. Two part question. What is the term for a horse whose cannon bones are set too far to the outside of the knees and what problem does this predispose a horse to?  
  
A. Bench or offset knees, and it increases the possibility that a horse will develop splints.  
  
S. AYHCLM, p. Adv. 323-3L.
  
3. Cat. 900 Q. In case of emergency what two pieces of equipment should be outside of every horse's stall?  
  
A. A halter and lead shank  
  
S. Evans, p. 824
  
4. Cat. 1000 Q. What are the three different type of "outerwear" for horses?  
  
A. Sheet                      Blanket                      Cooler  
  
S. HIH, p. 1100-16

**Round 11**

**Page 2**

5. Cat. 900 Q. What type of horse fence has the shortest life expectancy?

A. Board fence or post & rail fence. Both are 10-15 years.

S. Evans, p. 768

6. Cat. 1000 Q. Give two uses of a "mesh sheet."

A. Aid in cooling out  
Keeping flies away

S. HIH, p. 1100-16

7. Cat. 400 Q. What is the anatomical name of the tubular tissue that carries oxygenated blood under high pressure?

A. Artery

S. Equus Glossary 264 & CAHA, p. 57

8. Cat. 1000 Q. Give two advantages of a synthetic saddle.

A. Cost (cheaper)  
Easier to care for than leather  
Lighter weight

S. HIH, p. 1100-3

**Round 11**

**Page 3**

9. Cat. 800 Q. Give two clinical signs that a foal has a gastric ulcer.
- |                        |                      |
|------------------------|----------------------|
| A. Depression          | Colic                |
| Grinding of Teeth      | Laying on their back |
| Diarrhea               | Poor appetite        |
| Poor body condition    | Excessive salivation |
| "Pot-belly" appearance | Froth around lips    |
- S. Evans, p. 191 & FCH, p. 260-261
10. Cat. 900 Q. What is considered to be the minimum width of a barn isle?
- A. 12 feet
- S. Evans, p. 775
11. Cat. 1000 Q. In addition to ropers, what other type of rider would you see using "roping reins"?
- A. Gymkhana riders (barrel racers)
- S. HIH, p. 1100-8
12. Cat. 600 Q. What is the name for the unsoundness where the bursa at the top of the horse's head becomes infected?
- A. Poll Evil
- S. Evans, p. 168 , CAHA, p. 20 & FCH, p. 400

**END ONE-ON-ONE**

## BEGIN OPEN QUESTIONS

13. Cat. 400 Q. What is the term for the membrane that lines the inside of the eyelid?

### A. Conjunctiva

S. Equus Glossary 267

14. Cat. 700 Q. Which forage is a good source of Vitamin E?

### A. Alfalfa

S. Evans, p. 258 & FCH, p. 63

### TOSS-UP QUESTION – BONUS ATTACHED

15. Cat. 900 Q. What type of horses commonly use “tie stalls”?

A. Draft Hack	Carriage Livery
---------------	-----------------

S. Evans, p. 779

## 16. BONUS QUESTION

- Q. You have recently opened a Quarter Horse breeding operation. You think you have found the ideal stallion for your program. His conformation is nearly flawless. However, there are other considerations when purchasing a stallion. Name four.

A. Semen Evaluation	Soundness of Hindlegs
Weight (over or under)	Arthritis
Cardiovascular System	Parasite Infestation
Reproductive Tract Palpation	Colic Frequency
Temperament & Manners	Libido Evaluation
Condition of Respiratory Tract	Melanomas
Record of Settling Mares (Pregnancies per service)	
General Health ( any reproductive or contagious diseases)	

S. Evans, p. 375

**RESUME OPEN QUESTIONS**

17. Cat. 400 Q. Being specific, name the parts that comprise a horse's foregut.
- |           |          |
|-----------|----------|
| A. Mouth  | Duodenum |
| Esophagus | Jejunum  |
| Stomach   | Ileum    |
- S. AYHCLM, p. Adv. 303-1L & Evans, p. 190 & CAHA, p. 50
18. Cat. 600 Q. What is kinesiology?
- A. The study of motion and the gaits, specifically with reference to mechanics and anatomy.
- S. Equus Glossary 265
19. Cat. 500 Q. The vesicular gland is responsible for adding what to the semen?
- A. The "gel fraction"
- S. Evans, p. 360

**TOSS-UP QUESTION – BONUS ATTACHED**

20. Cat. 900 Q. What does an uneven wear pattern on a horseshoe indicate?
- A. It indicates that the foot is breaking over at a point other than at the toe, or that the foot is landing out of balance.
- S. Evans, p. 742

**21. BONUS QUESTION**

Q. Give four clinical signs of Cushing's disease in the horse.

A. Long Hair, wavy/curly	Thin Skin
Fragile Bones	Stupor
Weakness	Sweating
Excessive drinking/urination	Loss of muscle mass
Poor shedding	Chronic laminitis

S. Equus Glossary 272

**RESUME OPEN QUESTIONS**

22. Cat. 800 Q. What specific parts of the horse does strangles affect?

A. The submaxillary and parotid lymph nodes  
(submandibular) (retropharyngeal)

S. Evans, p. 96

23. Cat. 300 Q. What dominant gene masks all other color patterns?

A. W, for white color

S. Evans, p. 482

24. Cat. 900 Q. What is attributed as being the major cause of barn fires?

A. Human carelessness

S. Evans, p. 754



## Round 11

### Page 7

25. Cat. 700 Q. According to the Horse Industry Handbook, a hay ration for mature horses should contain what percentage of crude protein?

A. 8-12% crude protein

S. AYHCLM, p. Adv. 304-2L & HIH, p. 420

### TOSS-UP QUESTION – BONUS ATTACHED

26. Cat. 500 Q. When a mare is “short cycled”, what is the only criteria that must be met prior to treatment?

A. That the mare has a mature Corpus luteum present on the ovary.

S. AYHCLM, p. Adv. 336-2L

### 27. BONUS QUESTION

Q. Give four causes of infertility in the stallion.

A. Poor Health	Injury
Poor Nutrition	Worry
Anxiety	Improper Management
Masturbation	Over Use As A Teaser
Unnecessary Rough Handling	Over Breeding
Scared by Aggressive Mares	Pain

Q. Evans, p. 374

### RESUME OPEN QUESTIONS

28. Cat. 800 Q. What age category or group of horses is most prone to “botulism”?

A. Foals

S. Evans, p. 603 & FCH, p. 362

## **Round 11**

### **Page 8**

29. Cat. 600 Q. In general, what is the most common lameness problem in Standardbred race horses?
- A. Inflammation of the hocks
- S. Evans, p. 155
30. Cat. 200 Q. What was the principle reason for the development of the Pony of the Americas?
- A. To establish an “in-between” size, western type of working pony that would be small enough for children, yet large enough for adults to break and train.
- S. Evans, p. 61
31. Cat. 900 Q. In reference to horseshoes, explain the difference between a sticker and a block.
- A. Both are heel calks;  
Sticker = is set on the heel in such a way that it goes across the heel  
Block = is set lengthwise on the heel
- S. Evans, p. 735

### **LAST QUESTION IN MATCH**

32. Cat. 100 Q. On what continent did the first “true horse” originate?
- A. North America
- S. Evans, p. 4

### **END ROUND ELEVEN**

## **PRACTICE QUIZ BOWL QUESTIONS**

### **-from 1999 Eastern Nationals**

(These were from 1999 so references to the *Equus* Glossary are to the '98-'99 issues.)

- Q. Why are the sensitive structures of the horse's feed so called?  
A. Because they contain so many blood vessels and nerve endings that any injury to them causes pain and bleeding.  
S. AYHCLM, p. B106-1
- Q. Define an "essential" amino acid.  
A. It is one that must be supplied in the diet.  
S. Evans, p. 219
- Q. What is the mildest and most common type of colic?  
A. Spasmodic Colic.  
S. AYHCLM, p. I 228-1L
- Q. Give two other names for the American Jack.  
A. Mammoth Jack  
Standard Jack  
S. Evans, p. 77
- Q. What is Septicimia?  
A. A bacterial infection circulating throughout the blood stream.  
S. EG 258
- Q. What system produces chemical substances called hormones?  
A. The Endocrine System  
S. Evans, p. 126
- Q. What practice provides the best opportunity for maximum pasture yield?  
A. Rotational Grazing  
S. FCH, p. 105
- Q. Which grain when fed in excess may form a dough-ball in the horse's stomach?  
A. Wheat.  
S. AYHCLM, p. A 302-2L
- Q. What is the final stage of the foaling process?  
A. Expulsion of the placenta (fetal membranes)  
S. FCH, p. 244
- Q. What are immunoglobulins?  
A. Antibodies  
S. EG 258

- Q. What two parts of the horse does the deep digital flexor tendon connect?  
 A. The coffin bone to the muscles of the back of the upper leg.  
 S. EG 258
- Q. What parts of the horse do the mucous membranes include?  
 A. Inner eyelids, Inside nostrils, Inner lips & gums, Vulva of the mare  
 S. AYHCLM, p. B115-1L
- Q. What is the purpose of a flank cinch on a roping saddle?  
 A. To prevent the saddle from flipping forward when the rope is pulled tight by a fighting steer or calf.  
 S. AYHCLM, p. B102-2L
- Q. Which of these grass hays generally has the highest % of crude protein – Orchard grass, Timothy, or Rye grass?  
 A. Orchard grass  
 S. AYHCLM, p. I202-2L
- Q. Name three things whose lengths are determined by shoulder angle.  
 A. 1. Length of neck 2. Length of back 3. Length of Stride 4. Depth of hearth girth  
 S. AYHCLM. P. I 223-2L
- Q. Explain the difference between an “open” mare and a “barren” mare.  
 A. Open – Not pregnant, not bred in previous or current season  
 Barren – Not pregnant, but was bred in previous or current season.  
 S. AYHCLM, p. I 230-1L
- Q. What breed is a descendant of the great horse of Flanders?  
 A. The Belgian  
 S. Evans, p. 68
- Q. Untreated fence posts made from what type of wood have the longest life expectancy?  
 A. Osage orange  
 S. Evans, p. 770
- Q. In a commercial cross-country horse van, name (3) ways a horse can ride.  
 A. Head to head (face to face)  
 Head to tail  
 Box tail  
 S. AYHCLM, p. A 301-1L

- Q. What type of martingale allows the rider to maintain contact with the bit at all times?  
 A. Running Martingale  
 S. AYHCLM, p. B108-3L
- Q. In the stallion the hormones FSH exerts its effects on which cells?  
 A. Sertoli Cells  
 S. HIH, p. 920-2
- Q. In reference to way-of-going, "Winging" occurs in horses with what conformational defect?  
 A. Base wide or toed-out feed  
 S. HIH, p. 230-5
- Q. What color are the eggs of the nose bot fly?  
 A. Blackish  
 S. AYHCLM, p. I200-3L
- Q. In reference to Body Condition Score, name three of the six body sites that are evaluated.  
 A. Back                      Ribs at midbarrel  
     Neck                     Behind the Shoulder at Forerib  
     Withers                 Tailhead  
 S. AYHCLM, p. I203-2L
- Q. Name the 7 approved coat patterns of the POA.  
 A. Snowflake              Frost  
     Blanket                 Leopard  
     Marbled Roan        Few Spot Leopard  
     White with dark spots over the rump  
 S. AYHCLM, p. B110-3L
- Q. Explain the difference between Tetanus Toxoid shot and Tetanus Antitoxin.  
 A. *Toxoid* will provide long term protection and is usually administered annually. *Antitoxin* is for short-term protection and is usually given in cases where the immunization status of an animal is unknown.  
 S. AYHCLM, p. B114-2L
- Q. Approximately how much blood does a 1000 lb. adult horse have?  
 A. 13.2 gallons or 50 liters  
 S. AYHCLM, p. B119-2L
- Q. What is the minimum ceiling height for a covered or indoor arena?  
 A. 14 feet  
 S. HIH, p. 320-7

- Q. Explain the difference between a silver mane and a flaxen mane.  
A. Flaxen refers to a straw yellow or off-white color caused by a mixture of dark and white hairs in the mane.  
Silver mane is mostly white with few dark hairs.  
S. Evans, p.83
- Q. What type of pack saddle is rigged with a center-fire or single cinch?  
A. The Decker pack saddle  
S. AYHCLM, p. B118-1L
- Q. For a horse that has quarter cracks, what type of shoe can be used to transfer weight from the wall of the hoof to the frog?  
A. Heart bar shoe  
S. AYHCLM, p. I231-3L
- Q. Name two types of wraps that should not be used on a tail.  
A. Vet wrap and elastic bandage/wrap  
S. AYHCLM, p. I201-2L
- Q. Name the three accessory sex glands of the stallion  
A. Bulbourethral                      Prostate                      Vesicular  
S. AYHCLM, p. I227-1L
- Q. In reference to racing – what is a “blow-out”?  
A. A short fast run – usually 3-4 furlongs.  
S. FCH, p. 382
- Q. Name the three distinct layers of the uterus.  
A. Serous, myometrium, and endometrium  
S. HIH, p. 910-3
- Q. What is the general term for the bacteria and other microorganisms that normally reside in the large intestine?  
A. Gut Flora  
S. EG 258
- Q. What is meant by a custom feed mix?  
A. A mix prepared by a feed mill according to a customer's specifications.  
S. FCH, p. 137
- Q. In what part of the horse's digestive tract are soluble carbohydrates digested to simple sugars?  
A. Small intestine  
S. AYHCLM, p. A303-1L

- Q. What is the primary cause of “Foal Heat Diarrhea”?
- A. The parasite *Strongyloides westi* (Not strongyle – this parasite is not really a strongyle.)
- S. Evans, p. 631
- 
- Q. What is the function of insulin?
- A. To control blood sugar level and utilization of sugar in the body
- S. EG 259
- 
- Q. What is meant by “stocking rate”?
- A. It is the number of animals that can be maintained on a unit of ground, usually for a 1 year period, unless otherwise specified.
- S. FCH, p. 405
- 
- Q. At a walk, a base-narrow horse will land on what part of the hoof?
- A. The “outside” hoof wall.
- S. AYHCLM, p. I229-1L
- 
- Q. Identify the breed from the following description: The small sturdy horse of Spanish origin is 12 – 12.2 hands and comes in all solid colors. Albinos and pintos are not eligible for registration. This breed has a running walk similar to that of the Tennessee Walking Horse and the Pasos.
- A. Galiceno
- S. Evans, p.45
- 
- Q. On what area of the horse does “wet mange” usually first appear?
- A. In the areas of the tail.
- S. AYHCLM, p.I200-3L
- 
- Q. Explain the difference between low ring bone and high ring bone.
- A. Low Ringbone – Arthritis of the coffin joint.  
High Ringbone – Arthritis of the pastern joint.
- S. EG 225
- 
- Q. Describe a “rosy gray” horse.
- A. Gray/White hairs on bay or chestnut
- S. Evans, p. 81
- 
- Q. In inches, what amount of space is considered adequate head room in a horse trailer?
- A. 10 inches taller than the normal resting position of the head.
- S. AYHCLM, p. B101-2L

- Q. When properly fitted, and the cinch drawn tight, how much space should lie between the withers and the fork of a western saddle?  
A. Enough space to easily insert two fingers.  
S. HH, p. 1100-3
- Q. What does the term “passive transfer of immunity” mean?  
A. Foal is born without any protection from diseases. Protective antibodies in the mare become concentrated in the colostrums. Foal consumes these antibodies (immunoglobulins) by drinking the colostrum which help to protect the newborn foal against diseases.  
S. AYHCLM, p. B112-1L
- Q. A horse with a steep croup will exhibit what type of hind leg action – vertical or horizontal?  
A. Horizontal.  
S. AYHCLM, p. I223-3L
- Q. Where are the sebaceous glands located?  
A. Same places as the hair follicles  
S. Evans, p. 129
- Q. What substance helps reduce ammonia levels in stalls?  
A. Hydrated Lime  
S. FCH, p. 193
- Q. What do the initials N-S-A-I-D stand for?  
A. Nonsteroidal Anti-Inflammatory Drug  
S. EG 255
- Q. The “1<sup>st</sup> digital phalanx” is just below what bone.  
A. The Cannon Bone  
S. EG 257
- Q. When evaluating the conformation of a horse, name the four basic steps of a systematic approach.  
A. 1. Watch horse for soundness & way-of-going  
2. Profile view  
3. Front view  
4. Rear view  
S. AYHCLM, p. I223-1L
- Q. In reference to farrier tools, at a quick glance, what distinguishes “pull offs or pinchers” from “nippers”?  
A. Pull offs or pinchers have knobs on the ends of the handles where nippers do not.  
S. AYHCLM, p. B116-1L



- Q. What reproductive hormone is secreted by the hypothalamus in response to environmental cues such as day length?
- A. Gonadotropic releasing hormone (GnRH)
- S. HIH, p.910-5

## 2 Part Question

- Q. What type of bit action does the hackamore have and explain why.
- A. It is a leverage action bit. It has a fixed cheek pieces & shanks, and applies pressure to the poll and under the chin (not the mouth)
- S. AYHCLM, p. B108-3L
- Q. What attaches the splint bones to the cannon bone?
- A. Ligaments.
- S. FCH, p.404

## Bonus Questions

- Q. Name four clinical ways to detect dehydration.
- A. Dryness of mucous membranes & eyes  
Decreased jugular vein distensibility  
Rate of capillary refill  
Skin elasticity  
Physical Performance  
Decrease urine output  
Dry feces
- S. FCH, p. 200
- Q. Give the average temperature, pulse and respiration of a two week old foal.
- A. (Accept anything within the ranges)  
Temperature = 99 to 102°F  
Heart Rate = 60 to 130 beats per minute  
Respiration = 20 to 45 breaths per minute
- S. AYHCLM, p. B112-2L

Q. In reference to the horse, name (5) different categories of toxic plants.

- A. Salivation inducing plants  
Mechanically injurious plants  
Colic & Diarrhea inducing plants  
Photodermatitis inducing plants  
Hepatotoxin plants  
Neurotoxic plants  
Lameness & muscle weakness inducing plants  
Anemia inducing plants  
Sudden Death inducing plants
- S. FCH, p.300

Q. Name (4) diseases or conditions that are related to Equine Athletic Performance.

- A. Exercise induced pulmonary hemorrhage (bleeders)  
Exertional myopathy (Azoturia, or acute rhabdomyolysis)  
Tying-up, cramps or hypocalcemic tetany  
Fatigue & Exhaustion  
Synchronous diaphragmatic flutter (thumps)  
Postexercise fatigue  
Colic  
Heat Stroke  
Anhidrosis (dry coat)

Q. Give the common and scientific names of (4) flies that are a problem to horses.

- A. House Fly - *Musca domestica*  
Stable Fly - *Stomoxys calcitrans*  
Horn Fly - *Haematobia irritans*  
Face Fly - *Musca autumnalis*  
Biting Midge - *Culicoides* sp  
Common Bot Fly - *Gastrophilus intestinalis*  
Throat Bot Fly - *Gastrophilus nasalis*  
Nose Bot Fly - *Gastrophilus haemorrhoidalis*
- S. AYHCLM, p. A300-4L